

[www.seminolehs.scps.k12.fl.us](http://www.seminolehs.scps.k12.fl.us)

# SEMINOLE HIGH SCHOOL

## Curriculum Guide 2022-2023

**Main Campus**  
**Dr. Jordan Rodriguez, Principal**  
407-320-5050  
2701 Ridgewood Avenue Sanford, FL 32773

**Ninth Grade Campus**  
**Jaime Washington, Principal**  
407-320-8250  
21 Lakeview Drive Sanford, FL 32773







## MAIN CAMPUS

2701 Ridgewood Avenue • Sanford, FL 32773  
[www.seminolehs.scps.k12.fl.us/](http://www.seminolehs.scps.k12.fl.us/)  
 (407) 320-5050

**Dr. Jordan Rodriguez, Principal**

## NINTH GRADE CAMPUS

21 Lakeview Avenue • Sanford, FL 32773  
<http://www.seminolehs.scps.k12.fl.us/ninth/>  
 (407) 320-8250

**Jaime Washington, Principal**

### MISSION STATEMENT

Our mission is to cultivate the potential in every student to thrive as a global citizen by inspiring a love of learning, encouraging civic engagement, challenging, and supporting every student to achieve academic excellence while embracing the full richness and diversity of our community.

### VISION

Every student will achieve at his or her own maximum potential in an engaging, inspiring and challenging learning environment.

### ADMINISTRATIVE / GUIDANCE STAFF

#### Main Campus

Barry Coleman	Assistant Principal	407-320-5223
Roy DeCosta	Assistant Principal	407-320-5167
Cindy Nelson	Assistant Principal	407-320-5102
Marc Pitters	Assistant Principal	407-320-5103
Shelly Prom	Assistant Principal	407-320-3433
Veronica Kelley	School Administration Manager/Testing Coordinator	407-320-5028
Courtney Doherty	School Administration Manager	407-320-5182
Sylvester Wynn	School Administration Manager	407-320-5106
Kay Williamson	Lead Counselor	407-320-5117
Cori Frye	Counselor	407-320-5224
Stephanie Gabriel	Counselor	407-320-5133
Dr. Shenique Gilbert	Counselor	407-320-5123
Emelda Lovett	Counselor	407-320-5064
Leslie Mulet	Counselor	407-320-5119
Kelly Negron	Counselor	407-320-5266

#### 9<sup>th</sup> Grade Center

Lance Abney	Assistant Principal	407-320-8255
Mark Cammack	School Administration Manager/Testing Coordinator	407-320-8258
Chilora Smith	School Administration Manager	407-320-8323
Cheryl Knight-Simpson	NGC Guidance Director	407-320-8221
Cecelia Mercedes	Counselor	407-320-8260

## SCHEDULING PROCEDURE

### STANDARDIZED HIGHER-LEVEL COURSE ENROLLMENT CRITERIA

Seminole County recognizes the benefits students derive from higher level course participation and the importance of fair and equitable standardized criteria for enrollment in higher level courses. Students may elect to enroll in higher level courses based on any one of the multiple criteria. Where applicable, prerequisite course completion is required. Multiple enrollment criteria include, but are not limited to, self-selection, teacher recommendation, previous academic success, and standardized or state test scores.

### SELECTING COURSES

We expect students, after discussion with their parents, teachers, and counselors, to choose courses with care prior to registration. Course selection is considered a contract between you and the school, and registration determines the master schedule for the upcoming year. Please consult with your school counselor prior to the end of the school year should a revised course selection be necessary. Any schedule changes must be made before the end of the school year.

### ALTERNATE COURSES

Alternate courses must be selected for all courses. Occasionally a course listed in this curriculum guide will not be offered due to a variety of reasons, or selected courses may conflict. Alternate courses allow students to be scheduled into a course of their choosing. Alternate courses are considered as valid student selections and may become a part of a student's schedule. Choose alternates with the same thoughtfulness as other course selections.

### SCHEDULE CHANGE POLICY

Students are expected to remain in a course for its duration. **Schedule changes due to failure are not routine.** Courses may be dropped and/or added during the first ten days of school. After the first ten days of school, a parent/teacher conference is required before a schedule change is considered. The student must have been deliberate in attending classes, keeping up with classwork and homework, as well as attending tutoring sessions with the teacher.

**Advanced Placement and Dual Enrollment courses cannot be dropped after registration. Please schedule carefully as these are college courses with a heavy workload.**

### ADMINISTRATIVE CHANGES

Seminole High School reserves the right to change individual student schedules to comply with School Board and Department of Education policies. These changes may occur due to changes in the student population or faculty allocation. Changes will be made to balance classes and teacher loads to comply with class size amendment. Every effort will be made not to disrupt the educational process.

**If at the end of the previous school year a student does not meet the minimum prerequisite for a course, he/she may be assigned to a more appropriate course and/or level. Changes to course requests will also be made based on student scores on state mandated assessments and whether a student has met a state and district expectation for accelerated learning. Accelerated learning includes any of the following:**

- (1) passing an Industry Certification exam through a Career and Technical Education class,**
- (2) taking and passing an Advanced Placement exam with a score of '3' or better, or**
- (3) taking a Dual Enrollment course with a grade of 'C' or better.**

### DUAL ENROLLMENT

As per the Seminole County Public Schools Student Progression Plan, "Students enrolled in an approved dual enrollment course are exempt from the payment of registration, tuition, and laboratory fees for no more than nine credit hours per semester". Collegiate high school students and Early Admission students are exempt from this credit hour limit.

## STUDENT SERVICES

### CLASSIFICATION OF STUDENTS

**9<sup>th</sup> Grade** – One who has been promoted or assigned from 8<sup>th</sup> grade

**10<sup>th</sup> Grade** – One who has earned six (6) credits

**11<sup>th</sup> Grade** – One who has earned twelve (12) credits

**12<sup>th</sup> Grade** – One who has earned nineteen (19) credits

**GRADING SCALE** – The grading system for Seminole County Schools

A	90-100	3.6-4.0
B	80-89	2.6-3.5
C	70-79	1.6-2.5
D	60-69	0.76-1.5
F	0-59	0-0.75



## GRADE POINT AVERAGE (GPA)

Cumulative Grade Point Averages (GPA) are based on final semester grades and determined by dividing the total number of courses attempted into the total number of quality points earned. Any other course for which no letter grade is given is excluded. Students have several cumulative GPA's including a Florida GPA, which is unweighted and a District GPA, which is calculated using different weights for various grades. The chart below indicates the quality points each grade carries for both types of GPA calculation.

Grade	AP/Dual Enrollment/IB	Honors/FL Pre-DP
A	5.0	4.5
B	4.0	3.5
C	3.0	2.5
D	1.0	1.0
F	0.0	0.0

## GRADUATION REQUIREMENT WAIVERS

Please consult the [SCPS Student Progression Plan](#) for information on waivers for the requirements for physical education, fine arts and specific science courses prior to registration.

## VIRTUAL SCHOOL OPTIONS

Notice: For the 2022-2023 school year, SCPS will provide full-time virtual instruction options to students in grades K-12 through Seminole County Virtual School. Enrollment will be open from April 4<sup>th</sup> to July 29<sup>th</sup>. For more information, please see your school guidance counselor or visit <http://virtualschool.scps.k12.fl.us>

## AFTER-SCHOOL DRIVER EDUCATION PROGRAM: Course Number 1900310

An after-school driver education program is offered each semester at Lyman, Seminole and Winter Springs High Schools. The program includes classroom instruction, range driving and on the road driving. Students must hold a valid Florida Learner's License to be eligible for the program. Students that successfully complete the program earn .5 credit. The program is open to all students in Seminole County regardless of the high school that they attend.

Students attend classes two days a week, either Monday and Wednesday or Tuesday and Thursday from 3:15-5:15 PM. Transportation is not provided. There is no cost for the program. Applications are available at the high schools.

## EXCEPTIONAL STUDENT SERVICES

Special services are available for exceptional students to fully meet needs and expectations. All ESE services require staffing eligibility as determined by the district office. Additional information on specific services or placement is available from the student services office upon request. Students with special needs earning a standard diploma may be served through a variety of service models. The following exceptional student services are available at Seminole High School:

- Specific Learning Disabilities
- Speech and Language Therapy
- Emotionally Behaviorally Disabled
- Deaf or Hard of Hearing
- Gifted
- Intellectually Disabled
- Autism Spectrum Disorder
- Other Health Impaired

### STANDARD DIPLOMA REQUIREMENTS

1. 26 credits in the required courses
2. Must have a 2.0 grade point average
3. Must pass required high school test (FSA Reading & Algebra 1 EOC)
4. IEP states student is working toward standard diploma
5. May include ESE courses
6. Online Course (IEP team may waive if appropriate)
7. One credit Physical Education to include the integration of health

### STANDARD DIPLOMA ACCESS PATHWAYS REQUIREMENTS

1. 26 credits in the required courses
2. Must pass required high school test (FSAA Reading & Algebra 1 EOC)
3. IEP states student is working toward ACCESS Diploma
4. May include employment-based course(s)
5. Must include 2.0 Grade Point Average
6. Online Course (IEP Team may waive if appropriate)
7. One Credit Physical Education to include the integration of health

## COURSES FOR STANDARD DIPLOMA ACCESS PATHWAYS

Subject Area	Credits	Description
English/Reading	4	Access: English 1 & 2, English 3 & 4
Mathematics	4	Access: Algebra 1, Geometry, Liberal Arts, Algebra 2
Science	4	Access: Earth Space, Biology, Integrated Science, Chemistry
Social Studies	3	Access: World History (1.0), US History (1.0), Economics (0.5), US Government (0.5)
Physical Education	1	Personal Fitness 0.5 / PE Elective 0.5
Career Preparation	1	JET / OJT / Career Prep / WBLE
Elective	9	1 Elective
7980120 Occupational Training (JET) (1 <sup>st</sup> -7 <sup>th</sup> periods)		

## STANDARD DIPLOMA HIGH SCHOOL GRADUATION OPTIONS

26 credit standard diploma option available to all students, including students with disabilities	26 credit standard diploma option available only to students with disabilities: <b>No access courses permitted</b>	26 credit standard diploma available only to students with disabilities, who take <b>access courses</b> and the alternate <b>assessment</b> . *
<b>4 Credits English Language Arts (ELA)</b>		
<ul style="list-style-type: none"> <li>ELA I, II, III, IV</li> <li>ELA honors, Advanced Placement (AP), International Baccalaureate (IB) and dual enrollment courses may satisfy this requirement.</li> </ul>	<ul style="list-style-type: none"> <li>Must earn credits for all the courses listed in the first column</li> <li>May substitute a <b>CTE</b> course with content related to English for <b>English IV</b> after a student study team review</li> </ul>	<ul style="list-style-type: none"> <li>Must earn credits for all of the courses listed in the first column</li> <li>May substitute access courses for general education courses</li> <li>May substitute a CTE course with content related to English for English IV after a student study team review</li> </ul>
<b>4 Credits Mathematics</b>		
<ul style="list-style-type: none"> <li>One of which must be Algebra I and one of which must be Geometry</li> <li>Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra I and Geometry)</li> <li>Approved Computer Science courses can substitute for a math credit (except for Algebra I and Geometry) This must be submitted on a district substitution form.</li> </ul>	<ul style="list-style-type: none"> <li>Must earn credits for all the courses listed in the first column</li> <li>May substitute a <b>CTE</b> course with content related to mathematics for one mathematics credit after a student study team review (except for EOC courses: Algebra I and Geometry)</li> <li>Approved Computer Science courses can substitute for a math credit (except for Algebra I and Geometry) This must be submitted on a district substitution form.</li> </ul>	<ul style="list-style-type: none"> <li>Must earn credits for all the courses listed in the first column</li> <li>May substitute access courses for general education courses</li> <li>May substitute a CTE course with content related to mathematics for one mathematics credit after a student study team review (except for EOC courses: Algebra I and Geometry)</li> <li>Approved Computer Science courses can substitute for a math credit (except for Algebra I and Geometry) after a student study team review. This must be submitted on a district substitution form.</li> </ul>
<b>4 Credits Science</b>		
<ul style="list-style-type: none"> <li>One of which must be Biology I, two of which must be equally rigorous science courses</li> <li>Two of the three required credits must have a laboratory component</li> <li>An Industry certification that leads to college credit substitutes for up to one science credit (except for Biology I)</li> <li>Approved Computer Science courses can substitute for a science credit (except for Biology I) This must be submitted on a district substitution form.</li> </ul>	<ul style="list-style-type: none"> <li>Must earn credits for all the courses listed in the first column</li> <li>May substitute a CTE course with content related to science for one science credit after a student study team review (except for EOC course: Biology)</li> <li>Approved Computer Science courses can substitute for a science credit (except for Biology) after a student study team review. This must be submitted on a district substitution form.</li> </ul>	<ul style="list-style-type: none"> <li>Must earn credits for all the courses listed in the first column</li> <li>May substitute access courses for general education courses</li> <li>May substitute a CTE course with content related to science for one science credit after a student study team review (except for EOC course: Biology I)</li> <li>Approved Computer Science courses can substitute for a science credit (except for Biology I) after a student study team review. This must be submitted on a district substitution form.</li> </ul>
<b>3 Credits Social Studies</b>		
<ul style="list-style-type: none"> <li>1 credit World History</li> <li>1 credit in U.S. History</li> <li>.5 credit in U.S. Government</li> <li>.5 credit in Economics</li> </ul>	<ul style="list-style-type: none"> <li>Must earn credits for all of the courses listed in the first column</li> <li>May substitute a CTE course with content related to social studies for one social studies course after a student study team review (except for EOC course: U.S. History)</li> </ul>	<ul style="list-style-type: none"> <li>Must earn credits for all of the courses listed in the first column</li> <li>May substitute access courses for general education courses</li> <li>May substitute a CTE course with content related to social studies for one social studies course after a student study team review (except for EOC Course: U.S. History)</li> </ul>
<b>1 Credit Fine and Performing Arts, Speech and Debate, or Practical Arts**</b>		
<b>9 Elective Credits</b>		
<ul style="list-style-type: none"> <li><b>1 Online Course (IEP Team may waive if appropriate)</b></li> <li>Student may also earn a nationally recognized industry certification in information technology.</li> </ul>	<ul style="list-style-type: none"> <li><b>Must include .5 credit in an employment based course (OJT is a possibility)</b></li> <li>May include ESE courses</li> <li><b>Online Course (IEP Team may waive if appropriate)</b></li> </ul>	<ul style="list-style-type: none"> <li>May include employment based course/s</li> <li><b>1 Online Course (IEP Team may waive if appropriate)</b></li> </ul>
<b>1 Credit Physical Education to include Personal Fitness</b>		
<b>Students must earn a 2.0 grade point average on a 4.0 scale and pass statewide assessments (ELA state graduation requirement and Algebra 1 EOC) unless a waiver of assessment results is granted by the IEP team.</b>		

\*Parental consent is required before a student may take access courses.

\*\*Eligible courses and eligible course substitutions are specified in the Florida Course Code Directory.

# SEMINOLE COUNTY PUBLIC SCHOOL'S DIPLOMA PATHWAY REQUIREMENTS

## Class of 2023-2026

<b>STANDARD DIPLOMA PATHWAY</b>	<b>REQUIREMENTS (must include (1) online course:</b>
	<p><i>English Credits (English 1 – English 4) or equivalent accelerated course(s)-4 credits</i>  <i>Math Credits Grades (9-12) (must include Algebra 1 &amp; Geometry)-4 credits</i>  <i>Science Credits (must include Biology I, (3) courses must contain a lab component, and 2 Equally Rigorous Courses)-4 credits</i>  <i>Social Studies (must include World History, US History, 0.5 US Government &amp; 0.5 Economics with Financial Literacy)-3 credits</i>  <i>Fine or Performing Arts, Speech &amp; Debate or Practical Art-1 credit</i>  <i>½ Personal Fitness and ½ PE Elective-1 credit</i>  <i>Elective Credits-9 credits</i></p>
<b>TESTING REQUIREMENTS</b>	<p>Passing Score on: Grade 10 ELA grad requirement test &amp; Algebra 1 EOC or concordant/comparison score                      EOC's in Algebra 1, Geometry, Biology I &amp; US History will count as 30% of the student's overall grade  <b>**An approved passing industry certification may take the place of a science or math credit.**</b>                      Industry certifications that lead to college credit may substitute for up to two mathematics credits (except for Algebra I and Geometry).                      An industry certification that leads to college credit substitutes for up to one science credit (except for Biology I).  <b>**An approved Computer Science course may take the place of a math or science credit with the district substitution form.**</b></p>
<b>SCHOLARS DIPLOMA PATHWAY</b>	<b>REQUIREMENTS OF A STANDARD DIPLOMA PLUS:</b>
	<p><i>*Earn (1) credit in Statistics or equally rigorous mathematics course</i>  <i>* Earn (1) credit in Algebra II or equally rigorous mathematics course</i>  <i>*Earn (1) credit in Chemistry or Physics</i>  <i>*Earn (1) credit in science course equally rigorous to Chemistry or Physics</i>  <i>*Earn (2) credits in the same foreign language course</i>  <i>*Earn (1) credit in Advanced Placement, International Baccalaureate, an Advanced International Certificate of Education, Dual Enrollment Course</i></p>
<b>TESTING REQUIREMENTS</b>	Passing Score on ELA state grad requirement test, Algebra 1 EOC, Geometry EOC, Biology I EOC, and US History EOC
<b>MERIT DIPLOMA PATHWAY</b>	<b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>
	<p><b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>  <i>*Attain one or more Industry Certifications from the list established under S. 1003.492 F. S</i>  <i>****Industry Certification Courses which lead to college credit may be substituted for up to two math credits and/or one science credit excluding Algebra 1, Geometry and Biology***</i></p>
<b>TEST REQUIREMENTS</b>	SAME AS THE STANDARD DIPLOMA
<b>SCHOLARS WITH DISTINCTION DIPLOMA PATHWAY</b>	<b>REQUIREMENTS OF A SCHOLARS DESIGNATION PATHWAY PLUS:</b>
	<p><i>* Cumulative Weighted Grade Point Average of 3.75 or higher</i>  <i>* (3) Consecutive years in the same World Language</i>  <i>* (6) credits in AP or IB classes earning a grade of A or B or (4)AP or IB and (2) Dual Enrollment Credits</i>  <i>* (1) credit in Experimental Research or equivalent with a grade of A or B or (1) Extended Essay, Senior Portfolio or 4<sup>th</sup> year of World Language or (1) extra AP, IB or Dual Enrollment Credit.</i></p>
<b>TEST REQUIREMENTS</b>	SAME AS THE SCHOLARS DESIGNATION PATHWAY
<b>BILITERACY DIPLOMA</b>	<b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>
	<p><i>*Earn four world language course credits in the same world language</i>  <i>*Earn a cumulative grade point average of 3.0 or higher on a 4.0 scale</i>  <i>*Earn a qualifying score on a World Language assessment</i></p>
<b>TEST REQUIREMENTS</b>	SAME AS THE STANDARD DIPLOMA PLUS Qualifying score on a World Language assessment
<b>ADVANCED PLACEMENT CAPSTONE DIPLOMA</b>	<b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>
	<p><i>*Satisfactory completion of the AP Seminar course as determined by College Board</i>  <i>*Satisfactory completion of the AP Research course as determined by College Board</i>  <i>*Satisfactory completion of four AP courses as determined by College Board</i></p>
<b>TEST REQUIREMENTS</b>	SAME AS THE STANDARD DIPLOMA PLUS Satisfactory completion of AP courses as determined by the College Board

# VIRTUAL SCHOOL



Virtual schools provide a high-quality education along with flexible options to meet the demanding schedule of the 21st century student. SCPS operates two virtual schools: Seminole County Virtual School (SCVS) is a franchise of Florida Virtual School, and Seminole Academy of Digital Learning (SADL) uses curriculum created or purchased by SCVS.

High School and Middle School student choices include SCVS full-time, SCVS part-time, SADL part-time, or full-time contracted district franchise. Full-time options allow students to earn a regular Florida high school diploma. Full-time enrollment in SCVS for semester 1 will be open from Mon., April 5, 2021 through Tue., July 20, 2021. Part-time options are available throughout

the school year; virtual classes can be taken outside of the school day or during the school day at home or at the student's school in a virtual lab pending space availability. Additionally, the district may offer virtual course enrollment over the summer (SCVS 365).

### ***Why should students select a Seminole County Virtual School over other virtual providers?***

- \*schedule flexibility
- \* full-time local teachers
- \*no waiting list to start classes
- \*optional face-to-face sessions
- \*tax dollars stay in Seminole County

***For more information, please visit [www.scvs.us](http://www.scvs.us) or call 407-871-7287.***

### ***What high school courses are available through Seminole County Virtual School?***

Courses with a \* are available at both Standard and Honors level; H = honors class

#### **Math:**

Algebra I\*, Geometry\*, Algebra II\*, Pre-Calculus (H), Calculus (H), Math for College Readiness, AP Calculus AB, AP Calculus BC, AP Statistics, Math for Data and Financial Literacy, Probability and Statistics with Applications (H)

#### **Language Arts:**

English I\*, English II\*, English III\*, English IV\*, English IV College Prep, AP English Language, AP English Literature, Journalism

#### **Social Studies:**

World History\*, AP World History, U.S. History\*, AP U.S. History, Economics\*, AP Macroeconomics, AP Microeconomics, U.S. Government\*, AP U.S. Government, AP Human Geography, AP Psychology, Anthropology, Sociology, Personal Financial Literacy

#### **Sciences:**

Biology I\*, AP Biology, Earth Space Science\*, Chemistry\*, Physics\*, Marine Science\*, Physical Science\*, Anatomy & Physiology\*, Forensic Science, Environmental Science

#### **World Languages:**

French I, II & III\*, AP French Language, Spanish I, II & III\* IV\*, AP Spanish Language, American Sign Language I, II, III\*, IV\*

#### **Electives:**

Many options, including Personal Fitness/Fitness Lifestyle Design, Art, Guitar, AP Art History, Drivers Ed, Hospitality & Tourism, and much more! See website for a complete list.



**HOSPITALITY  
AND  
TOURISM  
MANAGEMENT**

Seminole County Virtual School (SCVS) has its very own program of emphasis, Hospitality and Tourism. This program is designed for students who are considering a career in Hospitality and Tourism; including food and beverage, lodging, event planning, travel and tourism, entrepreneurship, etc.

Our program consists of four courses, industry certifications, work-based learning opportunities (including job shadowing, career fairs, etc), engaging worksite tours, conferences, competitions, and culminating in an internship in the field of Hospitality and Tourism.

SCVS is the first virtual National Academy Foundation (NAF) Academy and our goal is to create opportunities for students so that they work closely with well-renowned business partners and community members via events like guest speakers, worksite tours, career fairs, job shadows and end their course suite with an internship. This program offers students beneficial experiences so that they succeed in this dynamic and high-growth industry right out of high school!



## AFTER SCHOOL COURSES

SCPS offers several after school Career and Technical Education (CTE) courses for high school credit. Students can attend an after-school course at any of the participating high schools regardless of the high school they currently attend. Transportation is not provided. Courses typically meet from 3:30-5:30 on Tuesdays and Thursdays unless otherwise noted. Please note that courses are subject to cancellation due to low enrollment or change in instructor availability.

Program Name	Hosting School	Course Codes	Course Description
Applied Robotics	Lake Mary	Yr. 1- 9410110X Yr. 2- 9410120X Yr. 3- 9410130X Yr. 4- 9410140X	The students in this program will build and participate in the FIRST Robotics Competition (FRC) at UCF. This course requires some Saturday participation.
Automotive Maintenance and Light Repair	Oviedo	Yr. 1- 9504110X Yr. 2- 9504120X Yr. 3- 9504130X	This program provides students with the theory and practical knowledge of basic automotive systems and principles.
Aviation	Seminole	Yr. 1- 9540610X Yr. 2- 8715110X Yr. 3- 8715120X Yr. 4- 8715130X	This state-of- the-art program is designed to prepare students for pursuit of employment or advanced training in the commercial and general aviation industry.
Cosmetology	Lake Howell	8757210X (.5) 8905120X (.5)	Students will practice performing services of the hair, skin, and nails throughout this course.
Electrical  * Mondays and Wednesdays 3:30-5:30	Lyman	Yr. 1- 8727210X Yr. 2- 8727220X Yr. 3- 8727230X	This program focuses on the fundamentals of electrical technology utilizing the same equipment, materials, tools, and techniques as industry professionals.
Heating, Ventilation, and Air Conditioning (HVAC)	Lyman	Yr. 1- 8713010X Yr. 2- 8713020X Yr. 3- 8713030X	This program focuses on the fundamentals of HVAC technology utilizing the same equipment, materials, tools, and techniques as industry professionals.
Technical Design	Lake Mary	Yr. 1- 8401010X Yr. 2- 8401020X Yr. 3- 8401030X Yr. 4- 8601900X	This program focuses on Engineering, Architecture, 3D Modeling & 3D Printing.

**Scan our QR Code to view our detailed CTE After School Course Guide**





# HIGH SCHOOL PROGRAMS OF EMPHASIS



**FEBRUARY 1 –  
APRIL 1, 2022**

On Time Application Period

- Programs of Emphasis provide a focused area of study centered around a career pathway.
- Students who are zoned for the school may select a Program of Emphasis via course scheduling and should speak with a school counselor.
- A limited number of seats in the programs listed in this guide may be available for 9th-12th grade students who are not zoned to the school.
- Acceptance into a program of emphasis for students applying for grade ten and above is contingent upon a school based administrative review of their transcripts.

	<b>MODELING, STIMULATION, &amp; ANALYSIS (C)</b>	Hagerty High School	In the Modeling, Simulation, & Analysis program students learn to navigate and create detailed models and virtual simulations. This pathway has the potential to lead to high paying careers in diverse fields related to modeling/simulation technologies and program management.
	<b>ACADEMY OF FINANCE (C)</b>	Lake Brantley High School	The Academy of Finance offers a curriculum comprised of finance and business technology including Accounting Applications and Personal Financial Planning.
	<b>CREATIVE DESIGN &amp; ENTERTAINMENT (C)</b>	Lake Brantley High School	Students who participate in the Creative Design & Entertainment Program have the opportunity to develop their artistic and digital skill sets while preparing for a future career. Currently, the program includes the following pathways: Digital Photography Technology, 3D Animation Technology, Interior Design, and Digital Audio Production.
	<b>CYBERSECURITY (C)</b>	Lake Howell High School	The Cybersecurity program curriculum introduces and prepares students for careers in computer science and cyber-defense in multiple industries.
	<b>BUSINESS &amp; ENTREPRENEURSHIP (C/D)</b>	Lake Howell High School	The Business & Entrepreneurship program curriculum introduces the broad spectrum of business, industry, and small business initiatives. Students will develop the fundamental knowledge and skills necessary to start and operate a business. This program includes opportunities to earn dual enrollment credit or an Associate in Arts degree in Business from Seminole State College.
	<b>ADVANCED MANUFACTURING &amp; INNOVATION (C)</b>	Lake Mary High School	The Advanced Manufacturing & Innovation program provides students the opportunity to design and prototype innovative products using high-tech, industry standard equipment.
	<b>FORENSIC SCIENCE &amp; LEGAL STUDIES (D)</b>	Lake Mary High School	This program includes two pathways: Forensic Science uses groundbreaking, modern scientific technology in crime scene investigation and Legal Studies teaches the foundations of our legal system.
	<b>ACADEMY OF BUILDING &amp; DESIGN (C)</b>	Lyman High School	The Academy of Building & Design provides students with the opportunity to explore careers in General Building Trades, Electrical, HVAC/Refrigeration, and Welding. Students will follow a progression of courses aligned with a chosen trade and complete industry specific course content that will help them obtain employment in the construction industry.
	<b>BIOSCIENCE TECHNOLOGY (C)</b>	Oviedo High School	The Bioscience Technology program prepares students to be successful in career fields of applied biology in various industries. The courses are designed to be predominantly laboratory based with a focus on utilizing bioscience equipment and practicing lab technician skills.
	<b>PROBLEM SOLVING INCUBATOR (C)</b>	Seminole High School	PSI High is a project-based, full-time Program of Emphasis in which students work in a high tech school of the future designed to solve real community, business, and social problems. All students complete the Business Management and Analysis CTE program, earn multiple industry certifications in either digital design, product engineering, or computer application design, and gain direct management experience operating a School-Based Enterprise.
	<b>AVIATION ACADEMY (C)</b>	Seminole High School	The Aviation Academy allows access to two programs. In Aviation Maintenance students learn core flight safety and the inner workings of aircraft through maintenance coursework. The Avionics Systems program introduces students to the high-tech electronics systems aboard an aircraft. The Aviation Academy is designed to prepare students for employment or advanced training in the aviation industry.
	<b>RENEWABLE ENERGY (D)</b>	Winter Springs High School	The Renewable Energy program allows students to study energy technologies and the advantages, disadvantages, and limitations of renewable energy resources for a sustainable future.
	<b>PUBLIC SERVICE ACADEMY</b>	Winter Springs High School	The Public Service Academy exposes students to the wide variety of career opportunities in government operations and public safety. The program includes three pathway options: Principles of Teaching, Criminal Justice Operations, and Emergency Planning & Response.

C = Program Includes Industry Certification D = Program Includes Dual Enrollment Credits

APPLY AT [WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US](http://WWW.SEMINOLESCHOOLCHOICESAPPLICATION.US)

## ADVANCED PLACEMENT / ON CAMPUS DUAL ENROLLMENT

**The dual enrollment courses below are designed for the motivated college-bound student who wishes to pursue college level work while still in high school.**

### **SLS1101S COLLEGE SUCCESS (DUAL ENROLLMENT) (Grades 11-12) (1/2 SCPS Credit / 3 Credits SSC)**

**PREREQUISITES:** *A completed application form and at least a 2.5 GPA*

This course is offered on the SHS campus and is designed to help students become more effective in college. The course teaches students how to set goals, manage time, improve retention of information, take notes, strengthen test-taking skills, deal with test anxiety, master stress reduction techniques, think critically, approach problems creatively, communicate more effectively, use the library and other college services, adapt to various instructional styles, understand their own learning style and identify and deal with problems (learning, personal or social) that interfere with their ability to learn, develop an appreciation for diversity and develop appropriate classroom behaviors.

### **ENC1101S ENGLISH 1 (DUAL ENROLLMENT) (Grade 11-12) (1 SCPS Credit / 3 Credits SSC)**

**PREREQUISITES:** *A completed application form and at least a 3.0 GPA*

**This course is offered on the SHS campus.** This is a course in the process of expository writing. Students will read essays and compose papers that are unified, organized, logically developed and supported, clearly stated and well-focused. Research techniques are introduced and incorporated into at least one composition. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Students must pass the core assignments with a grade of "C" or higher. This class satisfies the General Education State Core Communications requirement for A.A. degree seeking students. **This course will meet graduation requirements for English.**

### **ENC1102S ENGLISH 2 (DUAL ENROLLMENT) (Grade 11-12) (1 SCPS Credit / 3 Credits SSC)**

**PREREQUISITES:** *Grade of "C" or higher in ENC1101.*

**This course is offered on the SHS campus.** In this course, students develop the ability to read literary texts critically, to think logically and creatively and to write and research effectively. Students must pass the core assignments with a grade of "C" or higher. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. **This course will meet graduation requirements for English.**

### **COP2800S PROGRAMMING IN JAVA (Dual Enrollment Fall) (Grades 11-12) (1/2 SCPS Credit / 3 Credits SSC)**

**PREREQUISITE:** *Score of '3' or higher on AP Computer Science A exam*

This course is offered on SHS campus and introduces object-oriented programming and the Java programming language. Students will design, build, implement and debug computer applications and web applets using the Java language.

### **COP2805S ADVANCED JAVA PROGRAMMING (Dual Enrollment Spring) (Grades 11-12) (1/2 SCPS Credit / 3 Credits SSC)**

**PREREQUISITE:** *Programming in Java COP2800*

This course is offered on SHS campus and introduces object-oriented programming and the Java programming language. Students will design, build, implement, and debug computer applications and web applets using the Java language.

**For all the AP courses below, based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.**

### **0130030 AP ART HISTORY (Grades 10-12) (1 Credit)**

AP Art History is designed for serious students with the opportunity to earn college credit. It offers an enriching and practical understanding of art appreciation. Students will gain an understanding of social political, historical, cultural contexts of civilizations, and art movements in history. Students will be exposed to painting, drawing, and the art making processes, developments, and applications past, present, and near future. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

### **2103400 AP HUMAN GEOGRAPHY (Grades 9-12) (1 Credit)**

Advanced Placement Human Geography combines the excitement of studying foreign cultures, the utilization of media technologies, and the chance to participate in an array of creative projects. The purpose of Human Geography is to expose students to the world's locations, cultures, economies, and governments. Students develop an understanding of spatial concepts, landscape analysis, and environmental plights. This course stresses hands-on participation to yield an overall understanding of the world and its people. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**2106430 AP COMPARATIVE GOVERNMENT & POLITICS (Grades 11-12) (1/2 Credit)**

This is an introductory college-level course in comparative government and politics. The course uses a comparative approach to examine the political structures; policies; and political, economic, and social challenges of six selected countries: China, Iran, Mexico, Nigeria, Russia, and the United Kingdom. Students cultivate their understanding of comparative government and politics through analysis of data and text-based sources as they explore topics like power and authority, legitimacy and stability, democratization, internal and external forces, and methods of political analysis. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**\*\*This course does not count as a graduation requirement and cannot replace American Government or AP American Government.**

**1700500 AP SEMINAR (Grade 10-11) (1 Credit)**

AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational literary and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in research-based written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision to craft and communicate evidence-based arguments. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**1700510 AP RESEARCH (Grade 11-12) (1 Credit)**

**PREREQUISITE: AP Seminar**

AP Research allows students to deeply explore an academic topic, problem, or issue of individual interest. Through this exploration, students design, plan, and conduct a year-long research-based investigation to address a research question. In the AP Research course, students further their skills acquired in the AP Seminar course by understanding research methodology; employing ethical research practices; and accessing, analyzing, and synthesizing information as they address a research question. Students explore their skill development, document their processes, and curate the artifacts of the development of their scholarly work in a portfolio. The course culminates in an academic paper of approximately 4000–5000 words (accompanied by a performance or exhibition of product where applicable) and a presentation with an oral defense. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**2107350 AP PSYCHOLOGY (Grades 11-12) (1 Credit)**

This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and animals. Students will study the psychological facts, principles and phenomena associated with each of the major subfields within psychology. Students will also learn about the methods psychologists use in their science and practice. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**2109380 AP EUROPEAN HISTORY (Grades 11-12) (1 Credit)**

This class surveys the early 1400s to present day European History. Using historical primary and secondary texts, students will hear from the voices of the past while processing concepts in the present context of European attitudes and politics. Class discussions will include three major components: the history of ideas during this time, biographical studies of important individuals, and exploration of key cultural developments, particularly Western European and American societies. Classwork will explore seven historical themes using a variety of reasoning and thinking skills. Students will learn to mine primary source material which provided intellectual motivation to social, economic, and cultural developments, and will also learn to evaluate secondary source material to determine historical arguments, existing biases, and the existence of evidence to support an author's claims. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**0708400 AP SPANISH LANGUAGE & CULTURE (Grades 10-12) (1 Credit)**

**PREREQUISITE: Successful completion of two consecutive years in Spanish or Spanish 3 (0708360)**

The AP Spanish Language and Culture course is equivalent to an intermediate level college course in Spanish. It links language and culture while developing students' proficiency in speaking, listening, reading, and writing. Students read, discuss, and react to a variety of texts orally and in writing as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges in preparation for the AP examination.

**0701380 AP FRENCH (Grades 10-12) (1 Credit)**

**PREREQUISITE: Successful completion of French 3 (0701340)**

The AP French Language and Culture course is equivalent to an intermediate level college course in French. It links language and culture while developing students' proficiency in speaking, listening, reading, and writing. Students read, discuss, and react to a variety of texts orally and in writing as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges in preparation for the AP examination.



**1001420 AP ENGLISH LANGUAGE & COMPOSITION (Grades 11-12) (1 Credit)**

The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language. The course develops skills necessary for thinking critically about the expression and analysis of ideas. Students will spend the year reading and considering important ideas throughout history from a range of disciplines as they test their own ideas through discussion and composition. **This course will meet graduation requirements for English.**

**1001430 AP ENGLISH LITERATURE & COMPOSITION (Grade 12) (1 Credit)**

This course is designed for the highly motivated college bound student. The student's conscientious attention to assigned reading (both in and out of class), expository essays, grammar and vocabulary exercises, the study of poetry, and the critical analysis of literature will help to develop both the understanding of style, subject, and audience and the mastery of the formal and timed essay. Based on the results of the AP exam, college credit may be awarded by participating colleges and universities. **This course will meet graduation requirements for English.**

**1210320 AP STATISTICS (Grades 9-12) (1 Credit)**

**PREREQUISITE:** *Algebra 2 or taking Algebra 2 Honors concurrently.*

AP Statistics is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. This course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. The four broad conceptual themes are exploring data, planning a study, anticipating patterns in advance (simulation), and statistical reference. Based on the results of the AP exam, college credit may be awarded by participating colleges and universities. A graphing calculator is highly suggested. A rental program is available through the Math Department on a limited basis.

**1202310 AP CALCULUS AB (Grades 11-12) (1 Credit)****1202320 AP CALCULUS BC (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *Pre-Calculus*

Advanced Placement Calculus is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. These courses are intended for students who have a thorough knowledge of college preparatory mathematics and elementary (algebraic, trigonometric, exponential, and logarithmic) functions. AB (Calculus 1) topics include limits and continuity, derivatives and integrals, and their applications. BC (Calculus 1 and 2) includes all AB topics with additional topics in sequences and series, polars, parametrics, and vectors. Based on the results of the AP exam, college credit may be awarded by participating colleges and universities. A graphing calculator is highly suggested. A rental program is available through the Math Department on a limited basis.

**2001380 AP ENVIRONMENTAL SCIENCE (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Biology, Chemistry and Algebra 2*

This is a college level course which provides the student with the scientific principles, concepts, and methods required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and or preventing them. The challenging nature of the course requires the student to devote significant quantities of time and effort outside regular class time. Participating colleges and universities may award credit based on the results of the Advanced Placement examination. This course fulfills the graduation requirement for an "Equally Rigorous course" as defined by the Florida Department of Education.

**2000340 AP BIOLOGY (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Biology & Chemistry*

This course is a first-year college biology course. The content includes cell biology, biochemistry, classical genetics, molecular genetics, evolution, ecology, and taxonomy. The challenging nature of this course requires the student to devote significant quantities of time and effort outside of regular class time. Participating colleges and universities may award credit based on the results of the AP Examination. This course fulfills the graduation requirement for an "Equally Rigorous course" as defined by the Florida Department of Education.

**2003370 AP CHEMISTRY (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *Chemistry & Algebra 2*

The purpose of this course is to provide an in-depth quantitative study of chemical principles, concepts, and experimental Methods. The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Twenty-five percent of instructional time is devoted to inquiry-based laboratory investigations. Students ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Students will manipulate a variety of laboratory apparatus, describe atomic structure, discuss acid-base theories, compare types of chemical bonds, explain intermolecular forces and their effect on bulk properties, write balanced equations for numerous types of chemical reactions, and communicate scientific ideas orally and in writing. At the conclusion of this course, students will take the AP Chemistry examination.

**2003421 AP PHYSICS 1 (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Algebra 2 Honors (concurrent or completed), and Chemistry Honors (concurrent or completed)*

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power, momentum and gravitation. Through inquiry-based learning, students will develop scientific

critical thinking and reasoning skills. Lab Requirement: This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**2003422 AP PHYSICS 2 (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *Physics Honors or AP Physics 1 (2003421), Chemistry, Algebra 2 Honors and concurrently taking Pre-Calculus or Calculus*

This algebra-based course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; atomic and nuclear physics. During the course, students will prepare for the AP Physics 2 exam. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

**2003430 AP PHYSICS C: MECHANICS/ELECTRICITY & MAGNETISM (Grade 12) (1 Credit)**

**PREREQUISITE:** *Pre-Calculus, Physics Honors or AP Physics 1 and concurrently taking AP Calculus BC*

AP Physics C is a calculus-based, university level physics course that covers classical mechanics (kinematics, dynamics, rotation, gravitation, and oscillation). The second semester covers classical electrodynamics (electrostatics, current electricity, circuits, magnetostatics and magnetic induction). Approximately 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

**0200335 AP COMPUTER SCIENCE PRINCIPLES (Grades 9-12) (1 Credit)**

**Prerequisite:** *Algebra 1*

This course introduces the student to the essential ideas of computer science and how computing and technology influences the world around. Students will creatively address real-world issues and concerns while using the same processes and tools as artists, writers, computer scientists, and engineers to bring ideas to life.

**0200320 AP COMPUTER SCIENCE A (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *AP Computer Science Principles (0200335)*

Students will learn emphasized programming methodology and procedural abstraction. Course focuses on the study of data structures and abstraction. Topics include object-oriented programming, designing classes, GUI (Graphic User Interface), arrays, searching, and sorting algorithms. The course also includes AP Program-specified content.

**2109420 AP WORLD HISTORY (Grades 10-12) (1 Credit)**

Meets graduation requirements for World History.

**2100330 AP UNITED STATES HISTORY (Grade 11) (1 Credit)**

**PREREQUISITE:** *World History*

Meets graduation requirements for United States History.

**2109420 AP MACROECONOMICS (Grades 11-12) (1/2 Credit)**

**PREREQUISITE:** *United States History*

This course will provide students the opportunity to develop the analytical skills and economic knowledge necessary to understand America's capitalistic economic setup. Emphasis is less on Microeconomics, or the study of individual components of the economy, and more on Macroeconomics. Concepts in this field include monetary policy, inflation, unemployment, aggregate supply & demand, fiscal policy, trade policy, and keys to economic growth. Based on the results of the AP exam, college credit may be awarded. This course will meet graduation requirements for Economics.

**2106420 AP UNITED STATES GOVERNMENT & POLITICS (Grades 11-12) (1/2 Credit)**

**PREREQUISITE:** *United States History*

This course provides students the opportunity to develop the analytical skills and political knowledge necessary to dissect current events, understand the underpinnings of American government, and ultimately be an engaged citizen. Emphasis is placed on interpretation of the Constitution, federalism, the Congress, the Presidency, the Federal Court system, political ideologies, elections and American civil liberties. Based on results of the AP exam, college credit may be awarded. This course will meet graduation requirements for American Government.

**0109350 AP ART & DESIGN (TWO-DIMENSIONAL) (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Two other art courses*

This course encourages and expects both the creative and systematic study of conceptual and formal issues relating to drawing, painting, or digital medias. Highly motivated students will be provided with an environment that fosters artistic growth, work ethic and focus. Students are expected to strive towards mastery and develop a true understanding of the artistic creation as an ongoing process. A

significant commitment of time is necessary to achieve excellence in both preliminary and final artworks. Students will be challenged to think both critically and conceptually, and make informed decisions based on learned techniques, as well as natural instinct. Students will perform at an intense level of production, working both inside and out of class studio to create a sustained investigation body of 15 or more superior artworks. Students will revise and investigate the use of a wide range of art materials. Students will need to access to a flash drive. This course incorporates hands-on activities and consumption of art materials.

**0109360 AP ART: THREE-DIMENSIONAL DESIGN PORTFOLIO (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Three-Dimensional Art 2 (0101340)*

The AP 3-Dimensional Design Portfolio course is designed for serious students that will create a minimum of 16 master artworks and the opportunity to earn college credit. Students will develop a portfolio based upon the rules and regulations of the National College Board and will submit an accomplished body of work along with sketchbook planning layouts for each work. Each artist will explore properties of mass, form and balance within each piece representing understanding of art in the round. Students will critically evaluate their own designs and that of peers to and solutions from areas needing improvement, a critical part of the reaction and creative process. e media used in investigation may include but will not be limited to works in paper, recycled objects, cardboard, papier Mache, clay, wire and wood. Students will demonstrate their mastery of the elements and principles of design and are required to exhibit, photograph and archive their works as part of the portfolio process. This class requires a high level of academic and creative rigor and will include open studio hours and/or work at home to develop a strong body of art.

**0104300 AP ART: DRAWING STUDIO PORTFOLIO (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Two other art courses*

This course encourages and expects both the creative and systematic study of conceptual and formal of Drawing. This course focuses upon mark making using digital media, drawing, or drawing with paint. This course adds an additional AP year and focus specifically on drawing media. Highly motivated students will be provided with an environment that fosters artistic growth, work ethic and focus. Students are expected to strive towards mastery and develop a true understanding of the artistic creation as an ongoing process. A significant commitment of time is necessary to achieve excellence in both preliminary and final artworks. Students will be challenged to think both critically and conceptually, and make informed decisions based on learned techniques, as well as natural instinct. Students will perform at an intense level of production, working both inside and out of class studio to create a sustained investigation body of 15 or more superior artworks. Students will revise and investigate the use of a wide range of drawing materials. Students will need to access to a flash drive. This course incorporates hands-on activities and consumption of art materials.

**1300330 AP MUSIC THEORY (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Strong background in music fundamentals*

This is not a beginning music class. The purpose of this course is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. The achievement of this goal may be best promoted by developing the student's skills in aural listening (melodic and harmonic dictation), sight-singing performance, written exercises, compositional exercises, and analytical exercises (Roman numeral analysis, figured bass, etc.). The content includes historical perspectives of western and non-western music.

## ELECTIVES - ACADEMICS

**2107300 PSYCHOLOGY 1 (Grades 10-12) (1/2 Credit)**

**2107310 PSYCHOLOGY 2 (Grades 10-12) (1/2 Credit)**

This course provides students with the opportunity to acquire an understanding of human behavior, behavioral interaction and the progressive development of individuals. Content will include the theories and methods of study employed by psychologists, human growth and development, adjustments, motivation and desire, intelligence, conditioning and learning, memory, personality and behavior, emotion and frustration, abnormal behavior, conformity, autonomy, alienation, stress, mental health and therapy.

**2108300 SOCIOLOGY (Grades 10-12) (1/2 Credit)**

Sociology is a social science that focuses on society, human social behavior, patterns of social relationships, social interaction, and aspects of culture associated with everyday life.

**2106350 LAW STUDIES (Grades 10-12) (1/2 Credit)**

This course provides students with the opportunity to acquire an understanding of the American legal process including concepts related to criminal justice, civil law, and consumer law.

**2106375 COMPREHENSIVE LAW HONORS (Grades 10-12) (1 Credit)**

This course studies the components and processes associated with the American legal system and the comprehensive examination of the civil and criminal justice systems. Content should include, but is not limited to, the historical antecedents and purpose for laws, the impact of social values on the establishment and interpretation of laws, causes and consequences of crime, evaluation of the adult and juvenile justice systems, significance of the Bill of Rights to the American legal system and elements of constitutionalism, civil and criminal law, family and consumer law, rights and responsibilities under the law, and the adversarial versus inquisitorial systems of justice. This

course will incorporate the development of a written appellate brief addressing a contemporary legal question and the presentation of oral arguments to defend their position legally.

**1009320 CREATIVE WRITING 1 (Grades 9-12) (1/2 Credit)**

If you love to write poetry, short stories, essays, plays, or novels, then try this class! You will not only get a chance to write for yourself, but also read works of literature and evaluate other good writers. Students will also be encouraged to submit works for local, state, and national contests.

**1009330 CREATIVE WRITING 2 (Grades 9-12) (1/2 Credit)**

**PREREQUISITE:** *Creative Writing 1*

The purpose of this course is to extend the development of the writing and language skills needed for individual expression in the literary forms as introduced in Creative Writing 1. The course includes instruction and practice in writing a variety of literary works, including poetry, short stories, plays, novels, essays, and nonfiction; the study of various genres of literature for their literary value and technique; technical aspects of publishing students' work in literary publications.

**0900310 HUMANITIES 1 HONORS (EARLY MAN to RENAISSANCE) (Grades 10-12) (1 Credit)**

Humanities 1 is recommended to all students planning to attend either a two year or four-year college. This course provides an interdisciplinary approach to the fine arts and the performing arts. Students will study art, music, drama, literature, and mythology from the following time periods and cultures: Early Man, Ancient Mesopotamia, Ancient Egypt, Ancient Greece, Ancient Rome, the Middle Ages, and the Early Renaissance.

**0900320 HUMANITIES 2 HONORS (RENAISSANCE to MODERN) (Grades 10-12) (1 Credit)**

***Humanities 1 is not a prerequisite for Humanities 2.*** This course provides an interdisciplinary approach for students to examine and understand the creative efforts of individuals and societies throughout history. Students will study art, music, drama, literature, dance, etc. from the following time periods and cultures: Renaissance, Baroque, Enlightenment, Neoclassical, Impressionistic and Modern.

**2100336 AFRICAN-AMERICAN HISTORY HONORS (Grades 10-12) (1/2 Credit)**

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.

**2120710 ANTHROPOLOGY HONORS (Grades 10-12) (1/2 Credit)**

The primary content emphasis for this course pertains to the study of the differences and similarities, both biological and cultural, in human populations. Students recognize the characteristics that define their culture and gain an appreciation for the culture of others. Content should include, but is not limited to, human biological and cultural origins, adaptation to the physical environment, the diversity of human behavior, the evolution of social and cultural institutions, patterns of language development, family and kinship relationships, and the effect of change on cultural institutions.

**1007350 DEBATE 3 HONORS (Grades 10-12) (1 Credit)**

**1007360 DEBATE 4 HONORS (Grades 11-12) (1 Credit)**

The purpose of this course is to develop students' beginning awareness, understanding, and application of language arts as they apply to oral communication concepts and strategies for public debate in a variety of given settings. This is the first year of this program and the next course in the sequence will be offered the following year.

**1006300 JOURNALISM (Grades 9-12) (1 Credit)**

This course introduces you to all aspects of journalism: ethics, law, media, writing, editing, publishing, photography, design, and layout.

**1007300 SPEECH 1 (Grades 10-12) (1/2 Credit)**

**1007310 SPEECH 2 (Grades 10-12) (1/2 Credit)**

**PREREQUISITE:** *For Speech 2, successful completion of Speech 1*

Speech 1 is an introductory course in the study of the communications process. Students gain poise and confidence in themselves and in their abilities to organize their thoughts and ideas in practicing the art of public speaking. Speech 2 is a continuation of Speech 1. Debate, parliamentary procedure, preparation, and delivery of various types of speeches, and other advanced speech activities are emphasized. ***Both courses fulfill the Performing Arts credit.***



**2100362 LATIN AMERICAN HISTORY HONORS (Grades 10-12) (1 Credit)**

The primary content emphasis for this course pertains to the student of the development of the Latin American identity, along with examinations of the Latin American cultures through in-depth study of literature, sociology, anthropology, economics, and geography. The course will study the commonalities and differences among the peoples and cultures of Latin American and the complex nature of individual, group, national, and international interactions. Students will examine the characteristics that define culture and gain an understanding of the culture of Latin America. Content includes, but is not limited to, interdependence and challenges, culture, international systems and policies, pluralism, transnationalism, cultural diffusion, Latin American economics, human-environment interactions, patterns of language development, poverty, and the effect of change on cultural institutions. Using texts of high complexity, students will develop knowledge of Latin American literature through integrated educational experiences of reading, writing, speaking and analyzing. Emphasis will include representative Latin American literature, with its varied cultural influences, highlighting the major genres, themes, issues, and influences associated with the selections. Other concepts in this class may include indigenous Native American culture prior to the arrival of the Europeans, Spanish heritage, influence and impact of the Catholic Church, evolution of political systems and philosophies in Latin America, Latin American nationalism, and contemporary Latin American affairs.

**1700380 CAREER & DECISION MAKING FOR ATHLETES (Grades 11-12) (1/2 Credit)**

**COEREQUISITE:** *Must be a SHS athlete.*

This course is designed to prepare student athletes both academically and athletically through authentic rich activities, research, and practical application. Additionally, student athletes learn better study skills, how to be better citizens, sportsmanship, accountability, self-marketing skills and what it takes to be a leader on and off the court or field.

**10063759 SOCIAL MEDIA (Grade 9) (1/2 Credit)**

The purpose of this course is to enable students to develop fundamental skills in the proper use of social media across print, multimedia, web, and broadcast platforms, including ethical and legal uses.

**05005009 FRESHMAN SUCCESS (Grade 9) (1 Credit)**

This elective will be offered to first-time ninth grade students who are not earmarked for Transition and/or Pre-DP/HA tracked students.

This course will infuse the following components for all students:

- Creating a Supportive Learning Community
- Organizational skills
- Study skills
- Time management
- Coping/mental health skills

**ELECTIVES - LEADERSHIP**

**2400300 LEADERSHIP SKILLS DEVELOPMENT & TECHNIQUES (SGA) (Grades 9-12) (1 Credit)**

**PREREQUISITE:** *Required for all class and Student Body officers upon election to their respective offices. There is an application process for club or organization representatives.*

The members of this class are involved in planning and organizing most student activities on campus. This class requires a significant amount of time outside of school as well as field-trip time during school hours. Activities may include but not be limited to membership in School Improvement and School Advisory Council and District Student Government. This class also requires the dress code of the executive business world on certain occasions. The student will have the option of receiving a traditional letter grade or Pass/Fail.

**YEARBOOK / NEWSPAPER (Grades 9-12) (1 Credit each year)**

Students will become apprentices to either the student newspaper or yearbook and will work on all aspects of the publication including writing news, sports, features, photography, design, and advertising sales. Students will apply, refine journalistic and digital media skills using word processing and desktop publishing, imaging tools, as well as an opportunity to work toward industry certifications. There are mandatory after-school obligations for both publications.

<p><b>To enroll for yearbook:</b></p> <ol style="list-style-type: none"> <li>1. Register for Digital Design 1 (8209410YB)</li> <li>2. Ask for an application via the yearbook email: NolesSalmagundi@gmail.com.</li> <li>3. Submit application materials before the stated deadline.</li> <li>4. Students not accepted onto a publication staff will be enrolled in Digital Design 1.</li> </ol>	<p><b>To enroll for newspaper:</b></p> <ol style="list-style-type: none"> <li>1. Register for Journalism (1006300NP)</li> <li>2. Ask for an application to casalejl@scps.k12.fl.us.</li> <li>3. Submit application materials before the stated deadline.</li> <li>4. Students not accepted onto a publication staff will be enrolled in Journalism.</li> </ol>
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**YOUNG MEN OF EXCELLENCE**

1 <sup>st</sup> Year (9-12)	1 Credit	<b>1400300M</b>
2 <sup>nd</sup> Year (10-12)	1 Credit	<b>1400320M</b>
3 <sup>rd</sup> Year (11-12)	1 Credit	<b>0500520M</b>
4 <sup>th</sup> Year (12)	1 Credit	<b>0500530M</b>

**YOUNG WOMEN OF EXCELLENCE**

1 <sup>st</sup> Year (9-12)	1 Credit	<b>1400300W</b>
2 <sup>nd</sup> Year (10-12)	1 Credit	<b>1400320W</b>
3 <sup>rd</sup> Year (11-12)	1 Credit	<b>0500520W</b>
4 <sup>th</sup> Year (12)	1 Credit	<b>0500530W</b>

**PREREQUISITE:** A completed application form

The Young Men and Women of Excellence program is designed for the academic and personal advancement of minority students. This class offers an opportunity for participants to develop strong and mindful character-building skills while obtaining educational advancement for their futures. During class discussion, enhancement of character building, social/personal skills, professional development and giving back to the public. Students are involved in school wide activities in including volunteer opportunities which allows for individuals to interact with diverse situations while making a difference in their community.

**MASS MEDIA CAPE ACADEMY (CTE)**

The Mass Media CAPE Academy offers continuously updated career- and college-ready media and business technology courses that prepare students for the 21st Century workforce, which demands high end technology skills. The courses in the Mass Media CAPE Academy prepare students for careers in the growing world of digital media, communications, journalism, computer programming and business technology. These programs offer Industry Certifications from Adobe Systems, Certified Internet Web (CIW) and Microsoft. These certifications not only prepare students for higher education and the workplace, but also look excellent on their resume and enable them to compete for paid internships within the community.

Successful completion of the various course sequences fulfills some of the criteria toward Gold Seal Vocational Scholarships (Bright Futures), and Career Pathways articulation with Seminole State College for college credit. Additionally, most of the courses in the Mass Media CAPE Academy satisfy the required Fine Arts/Practical Arts credit for graduation, a math or science credit for passing scores on some of the industry certification exams, as well as a Merit Diploma. Please speak to your counselor for more details.

The following Career and Technical Education (CTE) Programs are offered in our Mass Media CAPE Academy:

Digital Design	8209600
Television Production	8772100
Web Development	9001100
Digital Photography	8201300
Digital Media/Multimedia	8201600
Sports Marketing	8827400
Web Development	9001100

Course	Year 1	Year 2	Year 3	Year 4
Digital Information Technology (8207310)	Entrepreneurship and Small Business			
Digital Design (8209600)	Digital Design 1 - 8209510 Adobe Photoshop Adobe InDesign	Digital Design 2 - 8209520 Adobe Illustrator Potential missed certifications from level 1 SSC Articulation Credit Project	Digital Design 3 - 8209530 User Interface Design (CIW)	Digital Design 4 - 8209540 Any missing certifications from level 1-3 Entrepreneurship & Small Business Portfolio Building
TV Production (8201500)	TV Production 1 - 8201510 Adobe Premiere Pro	TV Production 2 - 8201520 Adobe After Effects	TV Production 3 - 8201530 Adobe Photoshop	TV Production 4 - 8201540 Any missing certifications from level 1-3
Web Development (9001100)	Foundation of Web Design - 9001110 Advanced HTML/CSS Specialist (CIW) WordPress Certified Editor	User Interface Design - 9001120 Adobe Dreamweaver Adobe Animate	Web Scripting Fundamentals - 9001130 Python (CIW) Javascript (CIW)	Media Integration Essentials - 9001140 E-Commerce Services Specialist (CIW) User Interface (CIW) Any missing certifications from level 1-3
Sports, Recreation & Entertainment Marketing (8827400)	Marketing Essentials - 8827110 Entrepreneurship & Small Business	Marketing Applications - 8827120 Social Media Strategist (CIW)	Sport, Recreation, and Entertainment Marketing Management - 8827450 Master Entrepreneurship Certification	
Digital Photography (8201300)	Digital Photography 1 - 8201310 Adobe Photoshop Adobe Premiere Pro	Digital Photography 2 - 8201320 Any missing certifications from level 1	Digital Photography 3 - 8201330 Any missing certifications from level 1-2	
Digital Multimedia (8201600)	Digital Media 1 - 8201210 Adobe Photoshop Adobe Premiere Pro	Digital Media 2 - 8201220 Adobe After Effects	Digital Media 3 - 8201230 Any missing certifications from 1-3	

## CAREER TECHNOLOGY EDUCATION

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### 8207310 DIGITAL INFORMATION TECHNOLOGY (Grades 9-12) (1 Credit)

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information-based society. Digital Information Technology includes the exploration and use of databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards. ***This course satisfies the Performing Fine Art requirement.***

## DIGITAL DESIGN PROGRAM – Program #8209500

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### 8207310 DIGITAL INFORMATION TECHNOLOGY (Grades 9-12) (1 Credit)

### 8209510 DIGITAL DESIGN 1 (Grades 9-12) (1 Credit)

### 8209520 DIGITAL DESIGN 2 HONORS (Grade 10-12) (1 Credit)

### 8209530 DIGITAL DESIGN 3 HONORS (Grade 11-12) (1 Credit)

### 8209540 DIGITAL DESIGN 4 HONORS (Grade 12-12) (1 Credit)

**PREREQUISITES:** *Successful completion at the previous level*

This program prepares students for employment in digital publishing positions, such as Information Technology Assistants, Production Assistants, Digital Assistant Designers, Graphic Designers, and Multi-Media Designers. The content includes, but is not limited to, enhanced practical experiences in computer-generated art and text, graphic design, graphic production, digital design skills, preparation of digital layouts and illustrations, scanning, and the development of specialized multimedia presentations.

***Students are expected to take certification exams in each class.***

**Industry Certifications Offered:** Adobe Certified Associate (ACA) Photoshop, Adobe Certified Associate (ACA) InDesign, Adobe Certified Associate (ACA) Illustrator, User Interface Design (CIW), Entrepreneurship and Small Business.

## DIGITAL MEDIA/MULTIMEDIA PROGRAM – Program #8201600

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### 8207310 DIGITAL INFORMATION TECHNOLOGY (Grades 9-12) (1 Credit)

### 8201210 DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 1 (Grades 9-12) (1 Credit)

### 8201220 DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 2 (Grades 10-12) (1 Credit)

### 8201230 DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 3 HONORS (Grades 11-12) (1 Credit)

### 8201610 DIGITAL MEDIA/MULTIMEDIA WEB PRODUCTION HONORS (Grades 11-12) (1 Credit)

### 8201620 DIGITAL MEDIA/MULTIMEDIA MOTION GRAPHICS PRODUCTION HONORS (Grades 12) (1 Credit)

**PREREQUISITES:** *Successful completion at the previous level*

The purpose of this course is to prepare students for careers in the digital media industry. Content includes practical experiences in visual design, video editing, and interactive presentations.

***Students are expected to take certification exams in each class.***

**Industry Certifications Offered:** Adobe Certified Associate (ACA) Photoshop, Adobe Certified Associate (ACA) PremierPro, Adobe Certified Associate (ACA) After Effects.

## DIGITAL PHOTOGRAPHY TECHNOLOGY PROGRAM – Program #8201300

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### 8207310 DIGITAL INFORMATION TECHNOLOGY (Grades 9-12) (1 Credit)

### 8201310 DIGITAL PHOTOGRAPHY 1 (Grades 9-12) (1 Credit)

### Coming Soon DIGITAL PHOTOGRAPHY 2 (Grades 10-12) (1 Credit)

### Coming Soon DIGITAL PHOTOGRAPHY 3 (Grades 11-12) (1 Credit)

**PREREQUISITES:** *Successful completion at the previous level*

The purpose of this course is to prepare students for careers in the photography industry. Students will explore the history of photography, learn technical skills and techniques for taking photos properly, and use digital applications to enhance their photography skills.

***Students are expected to take certification exams in each class.***

**Industry Certifications Offered:** Adobe Certified Associate (ACA) Photoshop, Adobe Certified Associate (ACA) Premiere Pro

## TELEVISION PRODUCTION PROGRAM – Program #8201500

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8201510	TV PRODUCTION 1 (Grade 9-12) (1 Credit)
8201520	TV PRODUCTION 2 (Grade 10-12) (1 Credit)
8201530	TV PRODUCTION 3 HONORS (Grade 11-12) (1 Credit)
8201540	TV PRODUCTION 4 HONORS (Grade 12) (1 Credit)
8201550	TV PRODUCTION 5 HONORS (Grade 12) (1 Credit)
8201560	TV PRODUCTION 6 HONORS (Grade 12) (1 Credit)
8201570	TV PRODUCTION 7 HONORS (Grade 12) (1 Credit)

**PREREQUISITES:** *Successful completion at the previous level*

This program covers competencies in safety, lighting, basic television production equipment, broadcast script interpretation, teamwork, research and audio and video editing.

**Students are expected to take certification exams in each class.**

**Industry Certifications Offered:** Adobe Certified Associate (ACA): Adobe Premier Pro, Adobe Photoshop, Adobe After Effects.

## WEB DEVELOPMENT PROGRAM – Program #9001100

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8207310	DIGITAL INFORMATION TECHNOLOGY (Grades 9-12) (1 Credit)
9001110	FOUNDATIONS OF WEB DESIGN HONORS (Grades 9-12) (1 Credit)
9001120	USER INTERFACE DESIGN HONORS (Grades 10-12) (1 Credit)
9001130	WEB SCRIPTING FUNDAMENTALS HONORS (Grades 11-12) (1 Credit)
9001140	MEDIA INTEGRATION ESSENTIALS HONORS (Grades 12) (1 Credit)

**PREREQUISITES:** *Successful completion at the previous level*

This program is designed to provide students with opportunities to acquire and apply foundational skills related to web design and develop skills needed to prepare for further education and careers such as an Assistant Web Designer, a Web Designer, and Senior Web Designer in the Information Technology. The content includes but is not limited to operating system commands and web document development, design, promotion and scripting.

**Students are expected to take certification exams in each class.**

**Industry Certifications Offered:** Adobe Certified Associate (ACA): Adobe Dreamweaver CC, Adobe Animate CC; Certified Internet Web (CIW): E-Commerce Services Specialist, User Interface, Python, Javascript, Advanced HTML5/CSS Specialist.

## SPORTS MARKETING PROGRAM – Program #8827400

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8827410	SPORT, RECREATION & ENTERTAINMENT ESSENTIALS (Grades 9-12) (1 Credit)
8827420	SPORT, RECREATION & ENTERTAINMENT APPLICATIONS (Grades 10-12) (1 Credit)
8827430	SPORT, RECREATION & ENTERTAINMENT MARKETING (Grades 11-12) (1 Credit)

**PREREQUISITE:** *Successful completion at the previous level*

This program incorporates the overall marketing and business skills necessary for all businesses while maintaining focus on the sport, recreation, and entertainment segments of the marketing industry.

**Students are expected to take certification exams in each class.**

**Industry Certifications Offered:** Entrepreneurship and Small Business, Social Media Strategist (CIW), Master Entrepreneurship Certification.

## AUTOMOTIVE COLLISION REPAIR & REFINISHING PROGRAM – Program #9514000

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9514010	AUTO COLLISION & REFINISHING ASSISTANT 1 (Grades 9-12) (1 Credit)
9514020	AUTO COLLISION & REFINISHING ASSISTANT 2 (Grades 10-12) (1 Credit)
9514030	AUTO COLLISION & REFINISHING ASSISTANT 3 (Grades 11-12) (1 Credit)
9514030	AUTO COLLISION & REFINISHING ASSISTANT 4 (Grades 12) (1 Credit)

**PREREQUISITE:** *Successful completion at the previous level*

This program is designed to provide instruction in the different procedures for demonstrating shop and occupational safety skills and employability skills and comprehending and complying with requirements concerning legal liability and consequent insurance implications. The content includes but is not limited to basic trade skills; refinishing skills; sheet metal repair skills; frame and unibody squaring and aligning; use of fillers; paint systems and undercoats; related welding skills; related mechanical skills; trim-hardware maintenance; glass servicing; and other miscellaneous repairs.



**Industry Certifications Offered:** ASE Collision, Repair, and Refinishing: Painting and Refinishing (B2), ASE Collision, Repair, and Refinishing: Mechanical and Electrical Components (B5).

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## **AUTOMOTIVE MAINTENANCE & LIGHT REPAIR PROGRAM – Program #9504100**

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- 9504110      **AUTOMOTIVE MAINTENANCE & LIGHT REPAIR 1 (Grades 9-11) (1 Credit)**  
9504120      **AUTOMOTIVE MAINTENANCE & LIGHT REPAIR 2 (Grades 10-12) (1 Credit)**  
9504130      **AUTOMOTIVE MAINTENANCE & LIGHT REPAIR 3 (Grades 11-12) (1 Credit)**  
9504140      **AUTOMOTIVE MAINTENANCE & LIGHT REPAIR 4 (Grades 12) (1 Credit)**

**PREREQUISITE:** *Successful completion at the previous level*

Students explore career opportunities and requirements of a professional service technician. Content emphasizes beginning transportation service skills and workplace success skills. Students study safety, tools, equipment, shop operations, basic engine fundamentals, and basic technician skills.

**Industry Certifications Offered:** ASE Auto Maintenance and Light Repair G1.

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## **AVIONICS SYSTEMS PROGRAM – Program #9540600**

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- 9504310      **AVIONICS FUNDAMENTALS 1 HONORS (Grades 9-12) (1 Credit)**  
9504320      **AVIONICS FUNDAMENTALS 2 HONORS (Grades 10-12) (1 Credit)**  
9504330      **AVIONICS FUNDAMENTALS 3 HONORS (Grades 11-12) (1 Credit)**  
9504340      **AVIONICS FUNDAMENTALS 4 HONORS (Grade 12) (1 Credit)**

**PREREQUISITE:** *Successful completion at the previous level*

Avionics specialists are essential to flight safety. This unique program introduces students to the high-tech world of avionics and the electronics systems onboard an aircraft, including flight-control, navigation and communications. Students will gain practical knowledge of aircraft wiring, electronics, and the correct use and care of power tools. In addition, hands-on, project-based labs will provide opportunities for students to design and troubleshoot circuits, develop soldering skills for printed circuit boards, and master aerodynamic fundamentals for manned and unmanned aircraft. Avionics skills are in high demand in the aviation industry.

**Industry Certifications Offered:** Avionics Electronics Technician.

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## **AVIATION ACADEMY PROGRAM – Program #9540600**

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- 9540610      **PRIVATE PILOT GROUND SCHOOL HONORS (Grades 9-12) (1 Credit)**  
8715110      **AVIATION MAINTENANCE 1 HONORS (Grades 10-12) (1 Credit)**  
8715120      **AVIATION MAINTENANCE 2 HONORS (Grades 11-12) (1 Credit)**  
8715130      **AVIATION MAINTENANCE 3 HONORS (Grades 12) (1 Credit)**

**PREREQUISITE:** *Successful completion at the previous level*

Fly into your future with a career in aviation! This state-of-the-art program is designed to prepare students for pursuit of employment or advanced training in the commercial and general aviation industry. Throughout the program, students will learn the fundamentals of flight including meteorology, navigation systems and procedures, flight planning skills, ground operations and service duties. Students will participate in the ultimate project-based learning experiences by using aircraft communication equipment, general shop tools and flight training materials while exploring career opportunities and the requirements of a professional aviation mechanic. Choose the Aviation Academy as your gateway to your future in aviation!

**Industry Certifications Offered:** FAA Ground School.

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## **CULINARY ARTS PROGRAM – PROGRAM #8800500**

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- 8800510      **CULINARY ARTS 1 (Grades 9-11) (1 Credit)**  
8800520      **CULINARY ARTS 2 (Grades 10-12) (1 Credit)**  
8800530      **CULINARY ARTS 3 (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *Successful completion at the previous level*

This program covers the history of the food service industry and careers in that industry. Also covers 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.

**Industry Certifications Offered:** Certified Food Protection Manager (ServSafe).

## COOPERATIVE DIVERSIFIED EDUCATION (OJT) PROGRAM – PROGRAM #8300420

### COPPERATIVE DIVERSIFIED EDUCATION (CDE-OJT) (Grade 12)

830042007	7 <sup>th</sup> Period
830042006	6 <sup>th</sup> Period
830042005	5 <sup>th</sup> Period
830042004	4 <sup>th</sup> Period
830042003	3 <sup>rd</sup> Period
830042002	2 <sup>nd</sup> Period
830042001	1 <sup>st</sup> Period

**PREREQUISITE:** *Students must be at least 16 years of age with a valid Florida driver's license and a Social Security card*

Diversified Education is a cooperative education program for students that offers career guidance, occupational work experience and coursework in employability skills. This program is a school to work program for the 12<sup>th</sup> grade student. Supervised on-the-job training provides opportunities for selective placement based on the student's job preparatory program and the development and evaluation of occupational competencies. Job-related classroom instruction must have been provided in a job preparatory program for a minimum of one semester prior to enrollment (or the student must be presently enrolled in a job preparatory program.) Supervised on-the-job training, governed by a Training Agreement signed by parent, employer, and student is required. Student must be paid for work performed. This employment is supervised by the coordinator and workplace mentor/supervisor in accordance with all Federal and Florida Labor Laws future employment and careers. Before-school seminars are required of all students for instructions and professional development assignments. Before enrolling in this program, the student must have:

1. Signed proof of employment with employer's signature.
2. Signed contract with parental approval.
3. Current related classroom occupational training in the area of the on-the-job placement.
4. Students in this program will be required to attend regular meetings.

### Department of Business and Professional Regulation

### Division of Professions Florida's Child Labor Program

All students who are not 18 years of age must have work hours governed by Florida's child labor provisions. Florida's Child Labor Program with the child labor laws overview (Condensed for quick and easy reading), the current child labor laws poster, and the current child labor laws handbook are available on-line at [www.myflorida.com/dbpr/pro/childlabor/index.shtml](http://www.myflorida.com/dbpr/pro/childlabor/index.shtml) and Chapter 450, Part I, Florida Statutes.

## ELECTIVES – VISUAL ARTS

### **01013559 CREATING TWO-DIMENSIONAL ART (Grade 9) (1/2 Credit)**

Students investigate a wide range of media and techniques, from both an historical and contemporary perspective, as they engage in the art-making processes of creating two-dimensional works, which may include drawing, painting, printmaking, and/or collage. Student artists reflect on their own artwork and that of others through critical analysis to achieve artistic goals related to craftsmanship, technique, and application of 21st-century skills. This course incorporates hands-on activities and consumption of art materials.

### **01013659 CREATING THREE-DIMENSIONAL ART (Grade 9) (1/2 Credit)**

Students in Creating Three-Dimensional Art, investigate a wide range of media and techniques, from both an historical and contemporary perspective, as they engage in the art-making processes of creating 3-D artworks, which may include sculpture, assemblage, and/or ceramics. Student artists reflect on their own artwork and that of others through critical analysis to achieve artistic goals related to craftsmanship, technique, and application of 21st-century skills. This course incorporates hands-on activities and consumption of art materials.

### **0101300 TWO-DIMENSIONAL ART 1 (Grades 10-12) (1 Credit)**

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, painting, printmaking, collage, and/or design. Students practice, sketch, and manipulate the structural elements of art to improve mark making and 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.

### **0101310 TWO-DIMENSIONAL ART 2 (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Two-Dimensional Art 1 (0101300) or previous art experience and can produce portfolio*

Students develop deeper technical skills and create 2-D compositions with a variety of media in drawing, painting, printmaking, collage, and/or design. Student artist sketch, manipulate, and refine the structural elements of art to improve principles of design in a composition from observation, research, and/or imagination. Through exhibition, 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.

### **0101320 TWO-DIMENSIONAL STUDIO ART 3 HONORS (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Successful completion of Two-Dimensional Art 2 (0101310)*

Students demonstrate proficiency in conceptual development of content in drawing, painting, visual imagery design and investigational artistic research. Student artist will develop a portfolio, exhibit, and produce artworks that show evidence of developing craftsmanship

and quality. Students should be able to work independently and in collaboration. Through critique processes students will evaluate and respond to their own works and the artworks of peers. This course incorporates hands on activities and the consumption of art materials.

**0101330 THREE-DIMENSIONAL ART 1 (Grades 10-12) (1 Credit)**

Students explore properties of space, mass, balance, and form combine to create aesthetic or utilitarian structures. Their investigation may include, industrial design, sculpture, ceramics, clay, wood, paper Mache, foam or found objects as instruments of manipulation as a jump point for creativity. Students will experiment with a variety of three-dimensional (3D) media. There is focus on safety, online research, group collaboration, and peer review. This course incorporates hands on activities and the consumption of art materials.

**0101340 THREE-DIMENSIONAL ART 2 (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Three-Dimensional Art 1 (0101330) or previous art experience and can produce a portfolio*

Students refine spatial relationships using non-objective, abstract, functional and representational forms. Each artist will explore processes and techniques including works in paper, recycled objects, cardboard, papier Mache, clay, wire and wood. Students will incorporate the use of the elements and principles of design, participate in group critiques, develop works to be included in portfolio development, write artist statements for personal works and critique significant works of art from the 20th and 21st centuries.

**0101350 THREE-DIMENSIONAL ART 3 HONORS (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Three-Dimensional Art 2 (0101340)*

Students continue personal artistic growth using non-objective, abstract, functional and representational forms in portfolio development. Each artist will explore processes and techniques including works in paper, recycled objects, cardboard, papier Mache, clay, wire and wood. Students will incorporate the use of the elements and principles of design, participate in group critiques, develop works to be included in portfolio development, write artist statements for personal works and critique significant works of art from the 20th and 21st centuries. This course may be used as a portfolio building year in preparation for Advanced Placement 3-Dimensional Design.

## ELECTIVES – PERFORMING ARTS

**0300310 DANCE TECHNIQUES 1 (Grades 9-11) (1 Credit)**

**0300320 DANCE TECHNIQUES 2 (Grades 10-12) (1 Credit)**

**0300330 DANCE TECHNIQUES 3 (Grades 11-12) (1 Credit)**

**0300340 DANCE TECHNIQUES 4 (Grade 12) (1 Credit)**

**PREREQUISITE:** *Completion of previous course in series*

These courses provide students with opportunities to acquire knowledge and skill in two or more styles of dance. Content techniques of two or more dance forms (Ballet, jazz, modern, theater, or hip hop), knowledge of dance terminology, and knowledge of basic choreography of movement sequences and acquisition of technique will be stressed. Students are required to dress out daily, acquire appropriate shoes, participate in a Fall and Spring dance concert, and possible fundraiser activities if needed.

**1300330 AP MUSIC THEORY (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Strong background in music fundamentals*

**1300310 MUSIC THEORY 2 HONORS (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *AP Music Theory*

The purpose of this course is to develop the understanding of the techniques of listening, analysis, performing and composing using keyboard, computer assisted writing, and applied instrument or voice medium. Students will identify examples of compositions from 1800 to the present with knowledge of representative works, titles, and composers. They will demonstrate basic music literacy to include definitions of musical sounds and their use in electronic musical scores, thus evolving nature and purpose of music notation and staff notation and aural recognition of examples of rhythm, melody, and harmony.

**1304300 MUSIC TECHNOLOGY & SOUND ENGINEERING 1 (Grades 10-12) (1 Credit)**

**1304310 MUSIC TECHNOLOGY & SOUND ENGINEERING 2 (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *Successful completion of previous level*

Students enrolled in the Auditorium Tech class will acquire knowledge and skills related to the behind the scenes work in a performance hall. Topics covered will include set-up and maintenance of lighting equipment, sound equipment, and on-stage equipment. Students will become familiar with safety guidelines and requirements related to performance hall work. Students will learn to provide lighting and sound services for different types of events held in the auditorium. Students will also be required to work after school events held in the Karen W. Coleman Performing Arts Center.

## PERFORMING ARTS ENSEMBLES

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Because of the numerous competitions and performance events associated, these programs are considered extracurricular activities in which fees can be fundraised for items such as uniforms, dry cleaning, workshops and clinics, etc. Additionally, student enrollment in specific courses may be required for participation in these activities.

***There may be afternoon and evening rehearsals and performances.***

If you plan to take band, orchestra, chorus, theatre, dance, or color guard, please place the appropriate level of the course that is open to all students. This will prevent necessary schedule changes later since the instructors will give lists to Administration to place students in the appropriate ensemble based on auditions. Be sure to put band, orchestra, chorus or dance on your list more than once if you plan to take more than one period of a discipline. If you plan on taking more than one period in a discipline, be sure to register for the next levels in sequence.

Band 1	1302300	Orchestra 2	1302370	Dance Tech 1	0300310
Band 2	1302310	Orchestra 3	1302380	Dance Tech 2	0300320
Band 3	1302320	Orchestra 4	1302390	Dance Tech 3 (Honors)	0300330
Band 4	1302330	Orchestra 5 (Honors)	1302400	Dance Tech 4 (Honors)	0300334
Band 5 (Honors)	1302340	Orchestra 6 (Honors)	1302410	Acting 1	0400370
Band 6 (Honors)	1302350	Chorus 1	1303300	Acting 2	0400380
Jazz Ensemble 1	1302500	Chorus 2	1303310	Acting 3 (Honors)	0400390
Jazz Ensemble 2	1302510	Chorus 3	1303320	Acting 4 (Honors)	0400400
Jazz Ensemble 3	1302520	Chorus 4	1303330	Musical Theatre	0400700
Jazz Ensemble 4 (Honors)	1302530	Chorus 5 (Honors)	1303340	Technical Theatre 1	0400410
Orchestra 1	1302360	Chorus 6 (Honors)	1303350		

## BAND ENSEMBLES

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The purpose of the Seminole High School Band Program is to provide a positive atmosphere for musical and personal growth. This will be achieved through participation in the following activities: large ensemble performance (Marching Band and Concert Bands), student leadership program, social activities, performance evaluation and adjudication, small ensemble performance (Jazz Band, Brass & Woodwind Choirs, Percussion Ensembles), and solo performance (FBA Solo & Ensemble MPA, selected concerts). The "Pride of the Tribe" is the combined forces of the Wind Ensemble, Symphonic Band, Concert Band, Percussion, Dazzlers, and Color Guard.

### **BEGINNING BAND (Grades 9-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

The Beginning Band course is designed for students with little or no instrumental (less than one school year) experience to work on the fundamentals of music notation, sound production, instrument care and maintenance, and personal and group rehearsal strategies. Students may be required to attend and/or participate in rehearsals and performances outside the school day. This course may also require students to obtain a musical instrument (e.g., borrow, rent, purchase) from an outside source.

### **CONCERT BAND (Grades 9-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

The Concert Band is a performing ensemble open to all wind students. The group will perform several concerts during the year including FBA Concert MPA and will emphasize the study of basic musicianship skills. The Concert Band meets every school day (for credit). After school rehearsals are required. Opportunities for playing in small groups and solos will also be available.

### **SYMPHONIC BAND (Grades 9-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

The Symphonic Band is open to wind instrumentalists who have achieved a specific level of playing ability. Admittance into this class requires approval of the director. Private study is highly recommended. In addition to the performance of modern wind literature and transcriptions, the fundamentals of wind performance such as breathing, embouchure strength and flexibility, finger strength and speed, and articulation will be emphasized. The Symphonic Band meets (for credit) every school day and performs several concerts and festivals each year. After school rehearsals are required. Honors credit is available to Juniors and Seniors.

### **WIND ENSEMBLE (Grades 9-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

The Wind Ensemble is the top performing concert band at Seminole High School. Admittance into this class is based on auditions and demands the highest commitment. Private study is highly recommended. In addition to performance of difficult modern wind literature and transcriptions, the fundamentals of wind performance such as breathing, embouchure strength and flexibility, finger strength and speed, and articulation will be emphasized. The Wind Ensemble meets (for credit) every school day and performs several concerts and festivals each year. After school rehearsals are required. Honors credit is available to Juniors and Seniors.

**PERCUSSION (Grades 9-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

The Percussion class is open to students who wish to study percussion instruments in the Band. The class meets every school day for credit. Students will learn fundamentals to advance playing skills on a variety of percussion instruments. During the fall semester all students work on the marching portion of the band. In the spring semester, students will work on concert and ensemble music. After school rehearsals are required. Auditions for the percussion class take place every April for admission to the percussion class the following school year.

**JAZZ BAND (CHIEFS) (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

**COREQUISITE:** *Enrollment in another large band ensemble*

The Jazz Chiefs will study Jazz and related literature. The group meets every school day and performs at several school and civic events each year. Membership in the group is based on level of experience and is by audition only (auditions take place each Spring). The ensemble consists of two alto saxophones, two tenor saxophones, a baritone saxophone, five trombones, five trumpets, a piano player, two set drummers, an electric bass player, and an electric guitar player who will learn and perform Big Band music. Members are required to participate in all after school events. Contest fees are the responsibility of the student but are supported by several fundraisers. Members who are selected for this group must also be members of a large band ensemble.

**JAZZ BAND (COMBO) (Grades 9-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

**COREQUISITE:** *Enrollment in another large band ensemble*

The Jazz combo will study Jazz music theory, jazz history, and an introduction to improv skills. This class will perform at various community and school events and meets every school day. This ensemble is open to players of any band instrument.

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## **ORCHESTRA ENSEMBLES**

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**BEGINNING ORCHESTRA (Grades 9-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

The Beginning Orchestra is open to students who wish to learn the study of string instruments. The group will perform several concerts during the year and will emphasize the study of basic musicianship skills and string fundamentals such as posture, bow positioning, finger placement, and scale study. The Beginning Orchestra meets every school day (for credit) and after school rehearsals/performances are required.

**CONCERT ORCHESTRA (Grade 9) (1 Credit)**

**PREREQUISITE:** *Successful audition*

The Concert Orchestra is open to string players who have achieved a specific level of playing ability. The group will perform several concerts during the year (including Orchestra MPA) and will emphasize the fundamentals of string performance such as posture, bow positioning, finger placement, and scale study. The Concert Orchestra meets every school day (for credit) and after school rehearsals/performances are required. Honors orchestra is available for Juniors and Seniors.

**OVERTURE ORCHESTRA (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

The Overture Orchestra is open to string players who have achieved a specific level of playing ability. The group will perform several concerts during the year (including Orchestra MPA) and will emphasize the fundamentals of string performance such as posture, bow positioning, finger placement, and scale study. The Overture Orchestra meets every school day (for credit) and after school rehearsals/performances are required. Honors orchestra is available for Juniors and Seniors.

**SYMPHONIC ORCHESTRA (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Successful audition*

The Symphonic Orchestra is the top performing orchestra at Seminole High School. Admittance into this class is based on auditions and demands the highest commitment. Private study is highly recommended. In addition to the performance of difficult orchestral literature, the fundamentals of string performance such as posture, bow positioning, finger placement, and scale study will be emphasized. The Symphonic Orchestra meets (for credit) every day and performs several concerts and festivals each year. After school rehearsals/performances are required. Honors orchestra is available for Juniors and Seniors.



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## CHORAL ENSEMBLES

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### **CONCERT CHOR (Grades 9-12) (1 Credit)**

Concert Choir is a co-ed, beginning level choir welcome to anyone that wishes to sing a variety of choral music. The group focuses on building healthy vocal technique, musicianship skills, and performance abilities. They perform at the two main concerts in December and April along with all the other groups. Class fees are inherently the responsibility of each student but supported by fundraisers as outlined in the SHS Chorus Handbook. All voices are welcome!

### **SERENADES (Grades 10-12) (1 Credit)**

Serenades is a female only choir welcome to any ladies that wish to sing a variety of choral music. This group focuses on building healthy vocal technique, musicianship skills, and performance abilities. For some pieces, they sing and dance at the same time, which we work on every block day. They perform at the two main concerts in December and April along with all the other groups. Class fees are inherently the responsibility of each student but supported by fundraisers as outlined in the SHS Chorus Handbook. All female voices are welcome!

### **FESTIVAL CHOIR (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *At least one year of choir and a successful vocal audition*

Festival Choir is a co-ed, intermediate level choir of up to 50 members. This group focuses on healthy vocal technique, building musicianship skills and sight-reading ability, and performance abilities. They perform a variety of intermediate to difficult choral music and are required to participate in all FVA District and State level assessments and SHS Chorus concerts. Class fees are inherently the responsibility of each student but supported by fundraisers as outlined in the SHS Chorus Handbook.

### **GOSPEL CHOIR (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *At least one year of choir and a successful vocal audition*

Gospel Choir is a co-ed, advanced group of up to 50 members. The group focuses on healthy vocal technique, performance abilities, and the tradition and heritage of sacred gospel music, spirituals, and hymns. Gospel members are required to participate in all scheduled performances during and after school hours including local civic organizations, churches, and SHS Chorus concerts. Class fees are inherently the responsibility of each student but supported by fundraisers as outlined in the SHS Chorus Handbook.

### **FIRST TAKE (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *At least one year of choir and a successful vocal audition*

First Take is co-ed, advanced a cappella group of up to 21 members. This group focuses on healthy vocal technique, building advanced musicianship skills and sight-reading ability, performance abilities, and difficult a cappella arrangements and choral music. First Take members are required to participate in all scheduled performances during and after school hours, including FVA District and State level assessments, local civic organizations, Walt Disney World, ICHSA, and SHS Chorus concerts. All members will be required to audition for All-State. Class fees are inherently the responsibility of each student but supported by fundraisers as outlined in the SHS Chorus Handbook.

### **DESTINY SHOW CHOIR (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *At least one year of choir and a successful dance/vocal audition*

Destiny Show Choir is a co-ed, advanced group of up to 50 members. This group focuses on healthy vocal technique, building advanced musicianship skills, performance abilities, choreography, and a variety of pop arrangements and choral music. Destiny members are required to participate in all scheduled performances during and after school hours including local civic organizations, community performances, weekly Monday afternoon rehearsals, and competition in the Spring. Class fees are inherently the responsibility of each student but supported by fundraisers as outlined in the SHS Chorus Handbook. The dance audition for this class will take place on Monday and Tuesday, April 27th and 28th, 2020 from 2:45pm – 5:00pm.

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## DANCE ENSEMBLES

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### **JV DAZZLERS (PERIODS 4 & 5) (Grades 9-12) (1 Credit (Fine Art) each)**

### **VARSITY DAZZLERS (PERIODS 6 & 7) (Grades 9-12) (1 Credit (Fine Art) each)**

**PREREQUISITE:** *Successful audition only*

The purpose of this course is to provide the talented and skilled dancers with in-depth instruction and opportunities for performance, to further enhance and develop techniques. Students in this ensemble are required to attend after school rehearsals and performances. Students also in this course will further develop advanced knowledge and skills in varied dance styles through acquisition and improvement of technique, choreographic process, aesthetic elements, performance quality, and expressive range. Emphasis shall be placed on staging techniques through independent work in group choreography, culminating in a final performance project. Students are required to dress out daily, perform in a concerts, competitions, and community events. Honors credit will be earned in levels III-IV of program. Dazzlers need to plan in their schedule to have two periods blocked. Parents are required to participate in a booster club.

**COLOR GUARD - FIRST SEMESTER (Grades 9-12) (1/2 Credit each semester)**  
**WINTER GUARD – SECOND SEMESTER (Grades 9-12) (1/2 Credit each semester)**

**PREREQUISITE: Successful audition only**

These courses provide instruction in the development of beginning level skills in the art of performing various body movements in rhythm using musical accompaniment. **STUDENTS SIGNING UP FOR THIS COURSE WILL BE REQUIRED TO PARTICIPATE IN THE FALL MARCHING BAND SEASON AND THE JANUARY TO MAY WINTER GUARD.** Audition dates and times will be held in April and specific dates will be announced. Students wishing to tryout must attend all audition dates to be considered. Auditionees should wear dance or active wear suitable for dancing, wear their hair up, and be ready to learn combinations from Seminole Color Guard staff and leadership. These students should also have room in their class schedule for the Color Guard class as this activity is co-curricular. If a student is accepted, the financial and behavioral commitments are presented, and the students and parents can accept or deny the position with the signing of a contract. Any other questions should be directed to the band office (407)-320-5161.

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## **THEATRE ENSEMBLES**

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**0400370      ACTING 1 (Grades 9-12) (1 Credit)**

The purpose of this course is to enable students to develop fundamental acting skills and integrate them into individual and ensemble theatrical performances. The content should include, but not limited to, the following: acting techniques and character analysis, movement and vocal production, pantomime and improvisation, theatre terminology, theatrical forms and influences, script analysis, technical elements, the role of the director, artistic discipline, audience etiquette, roles and careers, auditioning and casting. Acting 1 also includes extensive note taking, performances in front of peers, and active involvement in our theatre company plays.

**0400380      ACTING 2 (Grades 9-12) (1 Credit)**

**PREREQUISITE: Theatre 1 (0400310) or Acting 1 (0400370) or successful audition**

The purpose of this course is to enable students to develop basic skills in the multiple elements of theatre as a collaborative art. The content should include, but not limited to acting and characterization, movement and vocal production, theatre terminology, script elements, theatre history and influences, relationships between theatre arts and other subject areas. For audition information, please email barnhifj@myscps.us.

**0400390      ACTING 3 (Grades 10-12) (1 Credit)**

**PREREQUISITE: Theatre 2 (0400320) or Acting 2 (0400380) and successful audition**

The purpose of this course is to enable students to develop intermediate-level acting skills and integrate them into individual and ensemble theatrical performances. Acting 3 will include: acting techniques, character analysis, and auditioning methods. After successfully completing this course, the student will: practice and further develop scene-study techniques; and ensemble acting skills, apply varied vocal production techniques to individual characterizations; use emotional recall in the development of a role and use movement to identify a characterization. Relate historical styles of acting to current theories and practice; develop varied auditioning skills; formulate critical evaluations about performances as a participant and an observer; demonstrate a concept of responsible participation. For audition information, please email barnhifj@myscps.us.

**0400400      ACTING 4 HONORS – ACTING & COMPETITION (Grades 11-12) (1 Credit)**

**PREREQUISITE: Theatre 3 (0400330) or Acting 3 (0400390) and successful audition**

The purpose of this course is to enable students to develop advanced acting skills and integrate them into individual and ensemble theatrical performances. Acting 4 will integrate acting skills for the career-oriented student. Students will develop and synthesize the fundamental elements of theatre arts into final production, using varied media, techniques, and processes. This class serves as a competition class. All students will compete at district and potentially state competitions. For audition information, please email barnhifj@myscps.us.

**0400700      MUSICAL THEATRE 1 (Grades 10-12) (1 Credit)**

**PREREQUISITE: Theatre 1 (0400310) or Acting 1 (0400370) or successful audition.**

Students' course work focuses on, but is not limited to, acting, vocal performance, dance, non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from ancient Greece to modern Broadway through a humanities approach and representative literature. Music theatre students explore the unique staging and technical demands of musicals in contrast to non-musical plays. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom. For audition information, please email barnhifj@myscps.us.

**0400410      TECHNICAL THEATRE & DESIGN PRODUCTION 1 (Grades 9-12) (1 Credit)**

Students focus on developing the basic tools and procedures for creating elements of technical theatre, including costumes, lighting, makeup, properties (props), publicity, scenery, and sound. Technical knowledge of safety procedures and demonstrated safe operation of theatre equipment, tools, and raw materials are central to success in this course. Students explore and learn to analyze dramatic scripts, seeking production solutions through historical, cultural, and geographic research. Students also learn the basics of standard conventions of design presentation and documentation; the organizational structure of theatre production and creative work in a

collaborative environment; and the resulting artistic improvement. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend or participate in technical work, rehearsals, and/or performances beyond the school day to support, extend, and assess learning in the classroom.

## AEROSPACE SCIENCE AIR FORCE ROTC

Air Force JROTC (Junior Reserve Officer Training Corps) <https://www.airuniversity.af.edu/Holm-Center/AFJROTC/> is a high school program that focuses on “Develop citizens of character dedicated to serving their nation and community.” There are four Aerospace Science (AS) classes that cadets take in succession: AS 1, AS 2, AS 3, and AS 4. All student start with AS 1 and only cadets who complete AS 3 and have a leadership position on the Corps of Cadets can take AS 4. Each AS Class contains three components: Aerospace Science (40%), Leadership Education (40%), and a Wellness Program (20%).

- Anyone can join AFJROTC
- There is no obligation to join the military
- The Air Force uniform is worn one day per week
- Physical Training (PT) is part of the Wellness Program one day a week and has a separate uniform
- Standards of Conduct are enforced
- AFJROTC uniforms are supplied to the students free of charge.
- Hair Styles and haircuts for all cadets must conform to the Air Force Regulations.
- Opportunity to earn community service hours
- AFJROTC Teams include: Color Guard, Drill Team, Marksmanship, CyberPatriot, StellarXplorers, Raiders and other teams.

***Two years in ROTC waives the one-half elective credit requirement in Physical Education, not Personal Fitness and with a grade of “C” or better waives the one credit Fine Art requirement.***

### **1800300            AEROSPACE SCIENCE 1 (AS 1) (Grades 9-12) (1 Credit)**

AS 1 is the course for all new cadets. It is an aviation history course focusing on the development of flight throughout the centuries. It starts with ancient civilizations, then progresses through time to modern day. It is interspersed with concise overviews of the principles of flight to include basic aeronautics, aircraft motion and control, flight power, and rockets. The Leadership textbook introduces cadets to the Air Force Junior Reserve Officer Training Corps (AFJROTC) program and contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship. A wellness program (PT) is incorporated to motivate cadets to lead active and healthy lifestyles.

### **1800310            AEROSPACE SCIENCE 2 (AS 2) (Grades 10-12) (1 Credit)**

### **1800320            AEROSPACE SCIENCE 3 (AS 3) (Grades 11-12) (1 Credit)**

**PREREQUISITE: Successful completion of previous level**

AS 2 (2nd Year Cadet) and AS 3 (3rd Year Cadet) are combined classes that alternate curriculum and textbook every other year, and are designed to complement materials taught in math, physics, and other science related courses. One year we use “The Science of Flight: A Gateway to New Horizons” which is an introductory textbook that focuses on how airplanes fly, how weather conditions affect flight, flight and the human body, and flight navigation. The following year we use “Exploring Space: The High Frontier” which begins with the study of space environment from the earliest days of astronomy through the Renaissance, and on into modern astronomy. It discusses space exploration, manned and unmanned space flight, as well as space technology. Other curriculum such as “Cultural Studies: An Introduction to Global Awareness” can occasionally be added in place of the other textbooks. The Leadership Education portion of the curriculum also alternate every other year and stresses communications skills, cadet corps activities and preparing for leadership. It is designed to prepare students for life after high school in the high-tech, globally oriented, and diverse workplace of the 21st century. Cadet Corps activities include holding positions for greater responsibility in the planning and execution of corps projects.

### **1800330            AEROSPACE SCIENCE (AS 4) (Grade 12) (1 Credit)**

**PREREQUISITE: Students can only be placed by the instructors.**

AS 4 (4th Year Cadets) curricula is unique from the others and is designed for the senior cadets who will run the Cadet Corps. The cadets manage the entire corps during the fourth year. This hands-on experience affords the cadets the opportunity to put the theories of previous leadership courses into practice. All the planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. They put into practice their communication, decision-making, personal interaction, managerial, and organizational skills. This course provides exposure to the fundamentals of management that allows cadets to put into practice what they learned during their time in AFJROTC.

## ELECTIVES – PHYSICAL EDUCATION

**NOTICE:** Students will only be allowed to take one physical education class per semester. Priority will be given to students who need the credit.

**1501300 PERSONAL FITNESS (Grades 9-12) (1 Credit)**

This course is required for graduation but can be waived if participation in a school-recognized sport for two seasons.

**1503310 BASKETBALL 1 (Grades 10-12) (1/2 Credit)**

**1503315 BASKETBALL 2 (Grades 10-12) (1/2 Credit)**

**1501340 WEIGHTS 1 (Grades 10-12) (1/2 Credit)**

**1501350 WEIGHTS 2 (Grades 10-12) (1/2 Credit)**

**1501360 WEIGHTS 3 (Grades 10-12) (1/2 Credit)**

**1503350 TEAM SPORTS 1 (Grades 9-12) (1/2 Credit)**

**1503360 TEAM SPORTS 2 (Grades 9-12) (1/2 Credit)**

**1505500 VOLLEYBALL 1 (Grades 10-12) (1/2 Credit)**

**1505510 VOLLEYBALL 2 (Grades 10-12) (1/2 Credit)**

**1505520 VOLLEYBALL 3 (Grades 10-12) (1/2 Credit)**

**1504500 TENNIS 1 (Grades 10-12) (1/2 Credit)**

**1504510 TENNIS 2 (Grades 10-12) (1/2 Credit)**

**1504520 TENNIS 3 (Grades 10-12) (1/2 Credit)**

**1504460 SWIMMING 1 (SWIMMERS) (Grades 10-12) (1/2 Credit)**

**15044600N SWIMMING 1 (NON-SWIMMERS) (Grades 10-12) (1/2 Credit)**

**1504470 SWIMMING 2 (Grades 10-12) (1/2 Credit)**

**1502490 CARE & PREVENTION OF ATHLETIC INJURIES (Grades 10-12) (1/2 Credit)**

Care and Prevention of Athletic Injuries is an introductory course for the student interested in the methods and theories involved with prevention, care, and rehabilitation of athletic injuries. Laboratory activities are an integral part of this course and shall include activities that offer practical application of the concepts involved. This course does count as a ½ credit towards PE requirement for graduation.

## READING

Students in grades 9-12 who do not meet the requirements for satisfactory performance in English language arts, may be enrolled the following year in accelerated reading support program.

Schools will continue to make decisions that are in the best interest of each student regarding course enrollment and instructional support for students entering their senior year who have not demonstrated college readiness on the SAT, ACT, or through mastery of standards in mathematics or English language arts courses. Acceleration support courses taken in grades 9-12 may be taken only as elective credits for high school graduation. Acceleration support instruction may not be in lieu of English credits required for graduation.

Although state assessment scores are traditionally released in July, a summer review of the latest test scores may change a student's schedule. The following course codes will be used for registering into Reading classes:

10004001A	1 Credit	Grade 9
10004002A	1 Credit	Grade 10
10004003A	1 Credit	Grade 11
10004004A	1 Credit	Grade 12

The academic rigor in any honors level course is more than simply assigning students a greater quantity of work. Through the application, analysis, evaluation, and creation of complex ideas that are often abstract and multi-faceted, students are challenged to think and collaborate critically.

## ENGLISH LANGUAGE ARTS

1001310NA ENGLISH 1 (Grade 9) (1 Credit)  
1001320N ENGLISH 1 HONORS (Grade 9) (1 Credit)

1001340NA ENGLISH 2 (Grade 10) (1 Credit)  
1001350N ENGLISH 2 HONORS (Grade 10) (1 Credit)

1001370N ENGLISH 3 (Grade 11) (1 Credit)  
1001380N ENGLISH 3 HONORS (Grade 11) (1 Credit)

1001405N ENGLISH 4 (Grade 12) (1 Credit)  
1001410N ENGLISH 4 HONORS (Grade 12) (1 Credit)

ENC1101S ENGLISH 1 (DUAL ENROLLMENT) (Grade 11-12) (1 Credit SCPS / 3 Credits SSC)  
PREREQUISITES: *A completed application form and at least a 3.0 GPA*

ENC1102S ENGLISH 2 (DUAL ENROLLMENT) (Grade 11-12) (1 Credit SCPS / 3 Credits SSC)  
PREREQUISITES: *Grade of "C" or higher in ENC1101.*

1001420 AP ENGLISH LANGUAGE & COMPOSITION (Grades 11-12) (1 Credit)  
This course will meet graduation requirements for English.

1001430 AP ENGLISH LITERATURE & COMPOSITION (Grade 12) (1 Credit)  
This course will meet graduation requirements for English.

## ESOL – ENGLISH LANGUAGE LEARNERS

PREREQUISITES: *Must be staffed in the ESOL program.*

1002300N ENGLISH 1 THROUGH ESOL (Grade 9) (1 Credit)  
1002310N ENGLISH 2 THROUGH ESOL (Grade 10) (1 Credit)  
1002320N ENGLISH 3 THROUGH ESOL (Grade 11) (1 Credit)  
1002520N ENGLISH 4 THROUGH ESOL (Grade 12) (1 Credit)  
1002381A DEVELOPMENTAL LANGUAGE ARTS ESOL (Grades 9-12) (1 Credit)



Standard/Honors

9

Algebra 1 Standard /Honors

10

Geometry Standard /Honors

11

Algebra 2 Honors

Math for Data and Financial Literacy Standard/Honors

Math For College Algebra Standard

12

Algebra 2 Honors

Precalculus Honors

Math for Data and Financial Literacy Standard/Honors

Math for College Algebra Standard

AP Statistics



Note: Students' individual math course pathways should be determined based on their college and career goals.

Honors/Advanced Placement

9

Geometry Standard /Honors

Algebra 2 Honors

10

Algebra 2 Honors

Precalculus Honors

Math for Data and Financial Literacy Standard/Honors

AP Statistics

11

Algebra 2 Honors

Precalculus Honors

AP Calculus AB

AP Statistics

Math for Data and Financial Literacy Standard/Honors

Math For College Algebra Standard

12

AP Statistics

AP Calculus AB

AP Calculus BC

Precalculus Honors

Math for Data and Financial Literacy Standard/Honors

Math For College Algebra Standard



Note: Students' individual math course pathways should be determined based on their college and career goals.

**1200400 INTENSIVE MATH (Grades 9-12) (1 Credit)**

**PREREQUISITE: SCHOOL PLACEMENT ONLY**

This course supports students who need additional instruction in foundational mathematics skills as it relates to core instruction. Instruction will use explicit, systematic, and sequential approaches to mathematics instruction addressing all strands including number sense & operations, algebraic reasoning, functions, geometric reasoning and data analysis & probability. This course will also include test-taking strategies to help students achieve the required graduation math concordant score. **This course does not count as a math credit.**

**1200310 ALGEBRA 1 (Grade 9) (1 Credit)**

**1200320 ALGEBRA 1 HONORS (Grade 9) (1 Credit)**

***Algebra 1 is required for high school graduation.***

**1206310 GEOMETRY (Grades 9-12) (1 Credit)**

**1206320 GEOMETRY HONORS (Grades 9-12) (1 Credit)**

**PREREQUISITE: Algebra 1**

**1200340 ALGEBRA 2 HONORS (Grades 9-12) (1 Credit)**

**PREREQUISITE: Geometry**

**1202340 PRE-CALCULUS HONORS (Grades 10-12) (1 Credit)**

**PREREQUISITE: Algebra 2 or Trigonometry/Analysis of Functions**

**1200700 MATHEMATICS FOR COLLEGE ALGEBRA (Grades 11-12) (1 Credit)**

**PREREQUISITE: Geometry**

**1200387 MATHEMATICS FOR DATA AND FINANCIAL LITERACY (Grades 10-12) (1 Credit)**

**1200388 MATHEMATICS FOR DATA AND FINANCIAL LITERACY HONORS (Grades 10-12) (1 Credit)**

**PREREQUISITE: Geometry**

In Mathematics for Data and Financial Literacy, instructional time will emphasize five areas: (1) extending knowledge of ratios, proportions and functions to data and financial contexts; (2) developing understanding of basic economic and accounting principles; (3) determining advantages and disadvantages of credit accounts and short- and long-term loans; (4) developing understanding of planning for the future through investments, insurance and retirement plans and (5) extending knowledge of data analysis to create and evaluate reports and to make predictions.

**1202300 CALCULUS HONORS (Grades 11-12) (1 Credit)**

**PREREQUISITE: Pre-Calculus or Trig/Analysis of Functions**

This course is designed to provide a foundation for the study of advanced mathematics. Topics include, but are not limited to functions and graphs, limits, continuity, derivatives and integrals with applications, optimization, velocity, acceleration, rates of change, antiderivatives, Riemann Sums, and the Fundamental Theorem of Calculus. Use of a graphing calculator is highly suggested. A rental program is available through the Math Department on a limited basis.

**1210320 AP STATISTICS (Grades 10-12) (1 Credit)**

**PREREQUISITE: Algebra 2 Honors (can be a corequisite).**

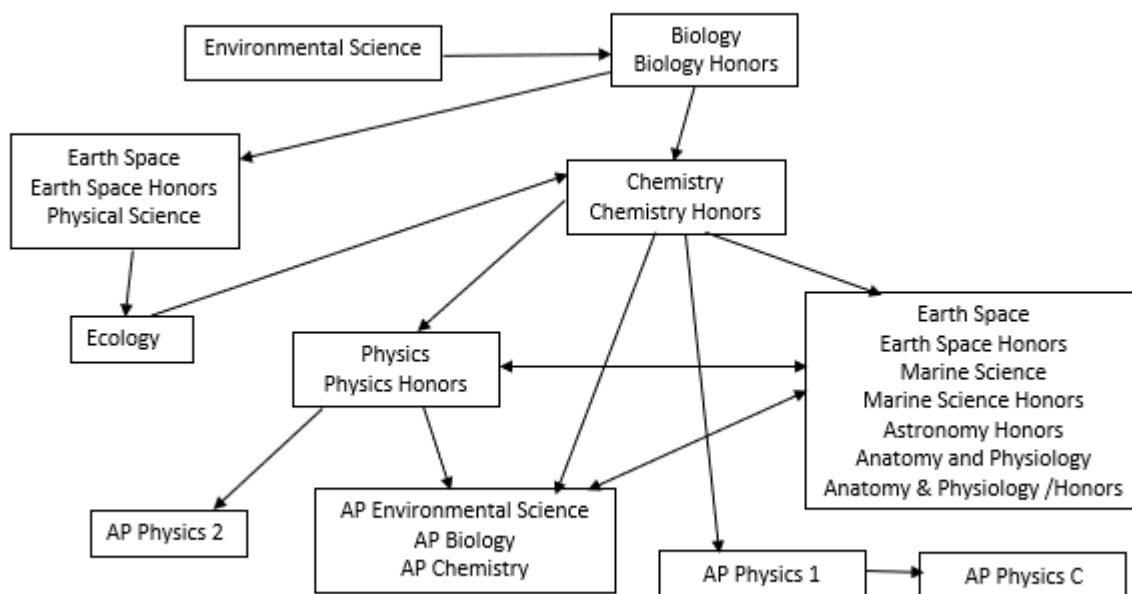
**1202310 AP CALCULUS AB (Grades 11-12) (1 Credit)**

**PREREQUISITE: Pre-Calculus**

**1202320 AP CALCULUS BC (Grades 11-12) (1 Credit)**

**PREREQUISITE: AP Calculus AB**

**COURSE SEQUENCE**



**20013409 ENVIRONMENTAL SCIENCE (Pre-Biology) (Grade 9) (1 Credit)**  
**PREREQUISITE: SCHOOL PLACEMENT ONLY**

**2000310 BIOLOGY (Grades 9-10) (1 Credit)**  
**2000320 BIOLOGY HONORS (Grade 9-10) (1 Credit)**

**2003310 PHYSICAL SCIENCE (Grades 10-12) (1 Credit)**  
**PREREQUISITE: Biology**

This course will prepare students to develop an understanding of the role of chemical and physical technology in everyday life and society. Laboratory activities and safe laboratory techniques are an essential component of the course and allow students to become familiar with scientific instruments and methods as well as provide opportunities to study the concepts of matter, energy, and forces, and their applications through exploratory investigations and activities. This course fulfills the graduation requirement for an "Equally Rigorous Course" as defined by the Florida Department of Education. Students that have earned a chemistry credit are not eligible for this course.

**2003340 CHEMISTRY (Grades 10-12) (1 Credit)**  
**2003350 CHEMISTRY HONORS (Grades 10-12) (1 Credit)**  
**PREREQUISITE: Biology and Algebra 1**

The purpose of this course is to introduce students to the study of the composition, properties and changes associated with matter. Topics include, but are not limited to atomic structure of matter, periodic table as an informational tool, types of chemical bonding, kinetic molecular theory, and water solutions. Laboratory activities and safe laboratory techniques are an essential component of the course.

**2003380 PHYSICS (Grades 11-12) (1 Credit)**  
**2003390 PHYSICS HONORS (Grades 11-12) (1 Credit)**  
**PREREQUISITE: Chemistry, Algebra 2 (concurrent or completed)**

This course will provide students with an introduction to matter, energy, and the forces of nature. Topics include but are not limited to mechanics, optics, sound, electricity and magnetism. This course fulfills the graduation requirement for an "Equally Rigorous course" as defined by the Florida Department of Education.

**2001310 EARTH/SPACE SCIENCE (Grades 11-12) (1 Credit)**  
**2001320 EARTH/SPACE SCIENCE HONORS (Grades 11-12) (1 Credit)**

**PREREQUISITE: *Biology***

This course provides an opportunity for students to explore the earth's materials, processes, history, and place in the universe. Topics include but are not limited to meteorology, geology, paleontology, astronomy, limnology and oceanography. This course fulfills the graduation requirement for an "Equally Rigorous course" as defined by the Florida Department of Education.

**2000380 FLORIDA ECOLOGY (Grades 10-12) (1 Credit)**

**PREREQUISITE: *Biology***

This course provides students with a study of Florida's diverse terrestrial and aquatic ecosystems. Included topics are historical formation of the state, basic ecological principles of populations, flora and fauna identification, the conservation movement, endangered species and the impacts of growth on Florida's resources. Some mathematical problem-solving is involved in the course. Laboratory activities and safe laboratory techniques are essential components in the course.

**2000350 ANATOMY & PHYSIOLOGY (Grades 11-12) (1 Credit)**

**2000360 ANATOMY & PHYSIOLOGY HONORS (Grades 11-12) (1 Credit)**

**PREREQUISITE: *Algebra 2 & Chemistry***

The purpose of this course is to provide exploratory activities in the structures and functions of the components of the human body. This course will include a study of all the organ-systems of the body utilizing anatomical terminology to describe or explain structure composition and physiological processes. Vertebrate dissection is a major component of this class. . This course fulfills the graduation requirement for an "Equally Rigorous course" as defined by the Florida Department of Education.

**2002500 MARINE SCIENCE (Grades 11-12) (1 Credit)**

**2002510 MARINE SCIENCE HONORS (Grades 11-12) (1 Credit)**

**PREREQUISITE: *Chemistry***

Florida's extensive coastline is an ideal location to begin a study of the ocean and its inhabitants. The creatures that inhabit this realm are fascinating and mysterious. In this course, students will study the coastlines and tidal zones, tropical oceans and reef inhabitants, deep marine organisms and arctic region organisms. Economic implications of marine resources and the impact of pollution on marine environments will be included. Laboratory activities and safe laboratory techniques are an essential component of the course and offer students an opportunity to become familiar with scientific instruments and methods.

**2020910 ASTRONOMY SOLAR/GALACTIC HONORS (Grade 12) (1 Credit)**

**PREREQUISITE: *Biology & Chemistry***

This course deals with the solar system: stars and star formation; the interstellar medium; the Milky Way galaxy; galaxies; black holes; quasars; dark matter and dark energy; the expansion of the universe and its large-scale structure; cosmology and the Big Bang; the physics in this course includes mechanics and gravitation; kinetic theory of gases; properties of radiation and radiative energy transport; quantum mechanics of photons, atoms, and electrons; and magnetic fields. This course fulfills the graduation requirement for an "Equally Rigorous course" as defined by the Florida Department of Education.

**2001380 AP ENVIRONMENTAL SCIENCE (Grades 10-12) (1 Credit)**

**PREREQUISITE: *Biology, Chemistry and Algebra 2***

**2000340 AP BIOLOGY (Grades 10-12) (1 Credit)**

**PREREQUISITE: *Biology & Chemistry***

**2003370 AP CHEMISTRY (Grades 11-12) (1 Credit)**

**PREREQUISITE: *Chemistry & Algebra 2***

**2003421 AP PHYSICS 1 (Grades 10-12) (1 Credit)**

**PREREQUISITE: *Algebra 2 Honors (concurrent or completed), and Chemistry Honors (concurrent or completed)***

**2003422 AP PHYSICS 2 (Grades 11-12) (1 Credit)**

**PREREQUISITE: *Physics Honors or AP Physics 1 (2003421), Chemistry, Algebra 2 Honors and concurrently taking Pre-Calculus or Calculus***

**2003430 AP PHYSICS C: MECHANICS/ELECTRICITY & MAGNETISM (Grade 12) (1 Credit)**

**PREREQUISITE: *Pre-Calculus, Physics Honors or AP Physics 1 and concurrently taking AP Calculus BC***

## SOCIAL SCIENCES

**2109310 WORLD HISTORY (Grades 9-10) (1 Credit)**

**2109320 WORLD HISTORY HONORS (Grades 9-10) (1 Credit)**

Only 9th grade students who have been accepted into the Academy of Health Careers or IB students will be allowed to take this course.

**2109420 AP WORLD HISTORY (Grades 10-12) (1 Credit)**

Meets graduation requirements for World History.

**2100310 UNITED STATES HISTORY (Grades 10-11) (1 Credit)**

**2100320 UNITED STATES HISTORY HONORS (Grades 10-11) (1 Credit)**

**PREREQUISITE:** *World History*

**2100330 AP UNITED STATES HISTORY (Grade 11) (1 Credit)**

**PREREQUISITE:** *World History*

**2102310D ECONOMICS BLENDED (Grades 11-12) (1/2 Credit)**

**2102320D ECONOMICS HONORS BLENDED (Grades 11-12) (1/2 Credit)**

**PREREQUISITE:** *United States History*

**2109420 AP MACROECONOMICS (Grades 11-12) (1/2 Credit)**

**PREREQUISITE:** *United States History*

**2106310 UNITED STATES GOVERNMENT (Grades 11-12) (1/2 Credit)**

**2106320 UNITED STATES GOVERNMENT (Grades 11-12) (1/2 Credit)**

**PREREQUISITE:** *United States History*

**2106420 AP UNITED STATES GOVERNMENT & POLITICS (Grades 11-12) (1/2 Credit)**

**PREREQUISITE:** *United States History*

## WORLD LANGUAGES

Florida Statute, Section 1007.262, states all students shall have two years of a high school foreign language or its equivalent in order to be admitted to any one of Florida's ten public universities. Eight to ten community college credits in one foreign language is equivalent to two years of study at the high school level and will meet the university foreign language requirement for admission. Any AA degree graduate from a public community college admitted without meeting the foreign language requirement must earn such credits prior to graduation from a state university. It is strongly advised that students complete two consecutive levels of the same world language.

**0708340 SPANISH 1 (Grades 9-11) (1 Credit)**

**0701320 FRENCH 1 (Grades 9-11) (1 Credit)**

**0717300 AMERICAN SIGN LANGUAGE 1 (ASL1) (Grades 9-11) (1 Credit)**

**0708350 SPANISH 2 (Grades 9-12) (1 Credit)**

**0701330 FRENCH 2 (Grades 9-12) (1 Credit)**

**0717310 AMERICAN SIGN LANGUAGE 2 (ASL2) (Grades 10-12) (1 Credit)**

**PREREQUISITE:** *Successful completion of previous level.*

**0708360 SPANISH 3 (Grades 10-12) (1 Credit)**

**0701340 FRENCH 3 HONORS (Grades 10-12) (1 Credit)**

**0717312 AMERICAN SIGN LANGUAGE 3 (ASL 3) HONORS (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *Successful completion of previous level/*

**0717314 AMERICAN SIGN LANGUAGE 4 (ASL 4) HONORS (Grade 12) (1 Credit)**

**PREREQUISITE:** *Successful completion of ASL 3 (0717312)*

**0708400 AP SPANISH LANGUAGE & CULTURE (Grades 10-12) (1 Credit)**

**0701380 AP FRENCH (Grades 10-12) (1 Credit)**



## INTERNATIONAL BACCALAUREATE DIPLOMA PROGRAM

The International Baccalaureate Diploma Program is a rigorous pre-university course of study that is designed to meet the needs of the highly motivated college-bound student. The IB curriculum is a traditional liberal arts curriculum incorporating humanities, mathematics and science. In addition, strong emphasis is placed on international understanding, responsible citizenship and lifelong learning. The IB Program prepares students to earn an internationally recognized diploma that is honored by colleges and universities throughout the world.

The Pre DP curriculum in grades 9 and 10 consists of accelerated honors level courses designed to prepare students to enter the formal IB Program offered in grades 11 and 12. The IB curriculum is divided into Higher Level courses and Standard Level courses taken during grades 11 and 12. Both Higher level and Standard level courses are taken at college level. In order to achieve the full IB diploma, students must successfully complete the program requirements and pass international examinations in a minimum of three Higher Level and three Standard Level subjects. Because students must become proficient in six academically demanding areas, including a foreign language, they hold a distinct advantage in gaining admission to competitive colleges or universities of their choice.

Also required in the grades 11 and 12 IB curriculum are the completion of an independent 4000-word Extended Essay on a research subject of the student's choice, participation CAS (creativity, action, and service), and completion of "Theory of Knowledge," a course unique to the IB that stimulates reflection on the knowledge and experience of students both in and outside the classroom.

Although academic excellence is certainly a criterion, success in the IB program also depends to a great degree on motivation and character. Therefore, students applying to the IB should possess the dedication required to complete a rigorous, four-year program marked by conceptual thinking, creative expression, and writing across the curriculum. Participants are expected to maintain a minimum cumulative 3.0 (B) weighted grade point average in the program.

Advantages of the IB diploma include rigorous academic preparation for college, a universal education qualifying students for the world's leading educational institutions, advanced standing and course credit in college, a sense of accomplishment in meeting the challenge of an international standard of excellence, a global point of view in solving human problems, and a philosophy of lifetime learning skills.



# International Baccalaureate (IB) Four-Year Curriculum<sup>1</sup>

Curriculum Area	Grade 9	Grade 10	Grade 11	Grade 12		
<b>Language A</b>	Pre-DP <sup>2</sup> English 1	AP English Lang	AP English Literature	IB English Lit 4 HL		
<b>Language B</b>	Pre-DP Spanish 1 or 2	Pre-DP Spanish 2 or IB Spanish 3	IB Spanish 3 or 5 SL	IB Spanish 5 SL (if necessary)		
	OR	OR	OR	OR		
<b>Language B</b>	Pre-DP French 1 or 2	Pre-DP French 2 or IB French 3	IB French 3 or 5 SL	IB French 5 SL (if necessary)		
	Pre-DP World History or AP Human Geography	AP World History	S1: History of the Americas	S2: Theory of Knowledge Contemporary History HL S1: TOK    S2: HOTA		
<b>Experimental Sciences</b>	Pre-DP Biology 1  If Biology Honors taken in 8th grade, earning an A or B, student may take Pre-DP Chemistry 1	Pre-DP Chemistry 1	<b>Select One:</b>	IB Biology HL (IB Biology 1 & IB Biology 3)		
		If Pre-DP Chemistry taken in 9th grade, student may take: Physics 1 Honors (Pre-req for IB Physics 2 SL) or AP Biology		IB Chemistry HL (AP Chemistry & IB Chemistry 3)		
				IB Biology 2 SL		
				IB Chemistry 2 SL		
				IB Physics 2 SL		
IB Environmental Systems & Societies 2 SL						
<b>Mathematics</b>	Algebra 1 Honors and Geometry Honors <sup>3</sup>	Algebra 2 Honors Or Algebra 2 Honors Accelerated	<b>HL Option</b>	IB Mathematics: Analysis & Approaches HL (AP Calculus BC & IB Mathematics: Analysis Year 3)		
		Geometry Honors		Algebra 2 Honors Or Algebra 2 Honors Accelerated	IB Mathematics: Analysis & Approaches SL (Year 1 and 2)	
	Algebra 2 Honors Or Algebra 2 Honors Accelerated	IB Mathematics: Analysis & Approaches SL (Year 1)		IB Mathematics: Applications & Interpretation SL (Year 1 and 2)	IB Mathematics: Analysis SL (Year 2)	Math Elective
		IB Mathematics: Applications & Interpretation SL (Year 1)			IB Mathematics: Applications SL (Year 2)	Math Elective
<b>IB Sixth Subject</b>			<b>Select One:</b>	IB Music SL & HL IB Theatre IB Dance SL SL & HL IB Visual Art SL IB Psychology SL & HL IB Economics SL & HL A second IB science		
<b>Electives</b>	2 Electives	2 Electives <u>Consider:</u> Physics 1 Honors (Pre-req for IB Physics 2 SL) AP Music Theory (Pre-req for IB Music)	1 Elective	1 Elective		

<sup>1</sup> To fulfill the State of Florida requirements for the IB Diploma, students must complete all internal and external assessments, including a completed Extended Essay and completion of CAS (Creativity, Activity, and Service) as well as meet state proficiency and End of Course exam requirements

<sup>2</sup> Pre-DP = Pre-Diploma Program

<sup>3</sup> Students are strongly encouraged to complete Geometry Honors by the end of grade 9. Algebra 2 Honors must be completed prior to the start of grade 11.

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## INTERNATIONAL BACCALAUREATE (IB) ENGLISH CURRICULUM

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### **1001800 PRE-DP ENGLISH 1 HONORS (Grade 9) (1 Credit)**

This course provides instruction in the backgrounds and critical analyses of major literary works representing various cultures, time periods, and genres, including mythology, legends and epics. Composition focuses on the use of the writing process in logical and critical modes, including the use of research skills. Advanced vocabulary study for college-bound students and college entrance examination strategies are also included. Intrinsic to the course is the integrated approach to learning, paralleling this course with world history. Both written and oral assessments are used to further prepare the student for the International Baccalaureate program.

### **10014200M IB AP ENGLISH LANGUAGE & COMPOSITION (Grade 10) (1 Credit)**

**PREREQUISITE:** *English 1 Honors (Pre-DP 1001800)*

The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical resources of the English language. The course develops skills necessary for thinking critically about the expression and analysis of ideas. Students will spend the year reading and considering important ideas throughout history from a range of disciplines as they test their own ideas through discussion and composition. Additionally, skills specific to the International Baccalaureate program assessments. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

### **10014300M IB AP ENGLISH LITERATURE & COMPOSITION (Grade 11) (1 Credit)**

**PREREQUISITE:** *AP English Language & Composition (10014200M)*

The purpose of this course is to develop independent critical competency in the study of literature and to foster a high level of achievement in writing, reading, and speaking. The content includes an in-depth study of literary works and authors selected from the International Baccalaureate list of prescribed texts and authors for Language Arts, written and oral analyses of literature, writings of a more general expository nature leading in some cases to the preparation of an extended essay, and individually guided course work. Students in this course will be preparing for the higher-level International Baccalaureate examination.

### **1001830 IB ENGLISH LITERATURE 4 (Grade 12) (1 Credit)**

**PREREQUISITE:** *AP English Literature & Composition (10014300M)*

The purpose of this course is to develop independent critical competency in the study of literature and to foster a high level of achievement in writing, reading, and speaking. Students in this course will be preparing for the higher-level International Baccalaureate examination. After successfully completing this course, the student will apply critical standards independently to specific works, orally and in writing and recognize relationships between the literary works of an author and the historical and cultural contexts in which he or she wrote.

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## INTERNATIONAL BACCALAUREATE (IB) MATHEMATICS CURRICULUM

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### **1200320 ALGEBRA 1 HONORS (Grade 9) (1 Credit)**

**PREREQUISITE:** *Enrollment in the Pre-DP program*

Algebra 1 Honors include a rigorous, in-depth study of all the topics included in Algebra 1 as well as normal distribution, solving power equations, and deeper exploration of arithmetic and geometric sequences and series. Additionally, students will work on test taking skills and problem-solving techniques to prepare for the End of Course Exam (EOC). Algebra 1 is required for high school graduation.

### **12063209M PRE-DP GEOMETRY HONORS (Grade 9) (1 Credit)**

**PREREQUISITE:** *Algebra 1 Honors (1200320)*

Geometry Honors includes a rigorous, in-depth study of all the topics included in Geometry Standard. The fundamental purpose of 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. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The critical areas are organized into five units as follows: Congruence, Proof, and Constructions; Similarity, Proof, and Trigonometry; Extending to Three Dimensions: Connecting Algebra and Geometry Through Coordinates; Circles with and without Coordinates. Additionally, students will work on test taking skills to prepare for the Florida Standards Assessment (FSA)/End of Course (EOC) exam.

**12003400M PRE-DP ALGEBRA 2 HONORS (Grades 9-10) (1 Credit)**

**PREREQUISITE:** *Geometry Honors Pre-DP (12063209M) or Geometry Honors if taken in 8<sup>th</sup> grade (1206320)*

This course builds on the students work with linear, quadratic, and exponential functions. Students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The critical areas for this course are as follows: Polynomial, Rational, and Radical Relationships; Trigonometric Functions; Modeling with Functions; Inferences and Conclusions from Data; and Applications of Probability. It is strongly recommended that students taking this course have successfully completed their previous math courses in the Honors track. To prepare for entrance into the formal IB Diploma Program students are exposed to Approaches to Learning, the IB Learner Profile attributes, principles of research, and Theory of Knowledge.

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**INTERNATIONAL BACCALAUREATE (IB) MATHEMATICS: APPLICATIONS & INTERPRETATION SL**

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This course is a two-year sequence. The content is divided into five topics: Numbers and algebra, Functions, Geometry and trigonometry, Statistics and probability, and an introduction to Calculus. Applications and Interpretation places an emphasis on statistics, modelling and use of technology – appropriate for those with an interest in the applications of mathematics and how technology can support this. It has a strong emphasis on real world applications and interpretation of data and outcomes. Students who choose Mathematics: Applications and Interpretation at SL should enjoy seeing mathematics used in real-world contexts and to solve real-world problems. Students who wish to take Mathematics: Applications and Interpretation at higher level will have good algebraic and geometric skills and experience of solving real-world problems. They will be students who get pleasure and satisfaction when exploring challenging problems and who are comfortable to undertake this exploration using technology.

**1209300 IB MATHEMATICS: APPLICATIONS & INTERPRETATION 1 (Grades 10-11) (1 Credit)**

**PREREQUISITE:** *Algebra 2 Honors Pre-DP (12003400M)*

This is year one of a two-year SL sequence. This course introduces students to the basic concepts and techniques associated with the graphing calculator, number sense, algebraic concepts, sets, logic, probability, functions, geometry, trigonometry, and financial mathematics. It is expected that extensive use will be made of technology in both the developmental and the application of these topics. Access to computers is recommended.

**1209305 IB MATHEMATICS: APPLICATIONS & INTERPRETATION 2 (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *IB Mathematics: Applications & Interpretation 1 (1209300)*

This is year two of a two-year SL sequence. This course will cover the same material as the SL course as well as the following topics: logarithms, sequences & series, complex numbers, polar equations, and distribution (binomial, normal & Poisson). Access to computers is recommended. Students will work on their math IA (Internal Assessment) during this course. Based on the results of the IB exam, college credit may be awarded by participating colleges and universities.

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**INTERNATIONAL BACCALAUREATE (IB) MATHEMATICS: ANALYSIS & APPROACHES HL/SL**

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These courses are both two-year sequences. The content is divided into five topics: Numbers and Algebra, Functions, Geometry and Trigonometry, Statistics and Probability, and Calculus. Both sequences are demanding programs as both contain a variety of mathematic topics and require some background knowledge. Please note, the HL course covers everything in SL plus additional calculus, matrices, vectors and statistics concepts. The HL sequence is designed for students with a strong competence and genuine interest in mathematics and who enjoy meeting its challenges and problems. Students who choose Mathematics: Analysis and Approaches SL should be comfortable in the manipulation of algebraic expressions and enjoy the recognition of patterns and understand the mathematical generalization of these patterns. Students who wish to take Mathematics: Analysis and Approaches at higher level will have strong algebraic skills and the ability to understand simple proofs. They will be students who enjoy spending time with problems and get pleasure and Satisfaction from solving challenging problems.

**1201325 IB MATHEMATICS: ANALYSIS & APPROACHES 1 (Grades 10-11) (1 Credit)**  
**12013250MK IB MATHEMATICS: ANALYSIS & APPROACHES 1 (Accelerated) (Grades 10-11) (1 Credit)**  
**PREREQUISITE: Pre-DP Algebra 2 Honors (12003400M)**

The purpose of this course is to introduce students to the basic concepts and techniques associated with work in algebraic concepts, functions and equations, statistics, probability, circular functions, trigonometry, and conics as well as the application of these topics with calculus. HL will also work with matrices, vectors and additional calculus and statistics topics. It is expected that extensive use will be made of graphing calculators in both the development and the application of these topics. Access to computers is recommended.

**1201330 IB MATHEMATICS: ANALYSIS & APPROACHES (Grades 11-12) (1 Credit)**

**PREREQUISITE: IB Mathematics: Analysis & Approaches 1 (1201325)**

This is year two of a two-year SL sequence. The purpose of this course is to introduce students to the basic concepts and techniques associated with work in algebraic concepts, functions and equations, statistics, probability, circular functions, trigonometry, and conics as well as the application of these topics with calculus. It is expected that extensive use will be made of technology in both the development and the application of these topics. Access to computers is recommended. Students will work on their math IA (Internal Assessment) during this course. Based on the results of the IB exam, college credit may be awarded by participating colleges and universities.

**12023200M AP CALCULUS BC FOR MATH: ANALYSIS & APPROACHES HL (Grade 11) (1 Credit)**

**PREREQUISITE: IB Mathematics: Analysis & Approaches 1 (1201325) or AP Calculus AB (1202310)**

The purpose of this course is to introduce students to the concepts and techniques of differential and integral calculus and their applications. Students will take the AP exam at the end of the year. AP Calculus AB is encouraged but not necessary.

**1201335 IB MATHEMATICS: ANALYSIS & APPROACHES 3 (Grade 12) (1 Credit)**

**PREREQUISITE: AP Calculus BC for Mathematics: Analysis & Approaches HL (12023200M)**

This is year two of a two-year HL sequence. In HL, Geometry and trigonometry as well as Calculus have the greatest content. Year two of the HL sequence will cover the remainder of the content, including proofs, statistics and vectors, not covered in AP Calculus BC. Modeling and analytic methods with an emphasis on calculus will be stressed. Students will work on their math IA (Internal Assessment) during this course. Based on the results of the IB exam, college credit may be awarded by participating colleges and universities.

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## **INTERNATIONAL BACCALAUREATE (IB) THEORY OF KNOWLEDGE**

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**0900800 IB THEORY OF KNOWLEDGE (TOK) 1 (Grade 11, Semester 2) (1 Credit)**

**0900810 IB THEORY OF KNOWLEDGE (TOK) 2 (Grade 12, Semester 1) (1 Credit)**

The purpose of this course is to make explicit through analysis, comparison, and interdisciplinary integration, the concepts of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, history, and in moral, political, and aesthetic judgments.

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## **INTERNATIONAL BACCALAUREATE (IB) SCIENCE CURRICULUM**

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**NOTE:** Pre-DP students who take Pre-DP Biology for high school credit in Grade 8 will take Pre-DP Chemistry in Grade 9 and Physics Honors in Grade 10 in preparation for their college level science courses in Grades 11 and 12. Taking the high school Biology course in Grade 8 allows Pre-DP students to earn an additional high school science credit; students may not omit science from their schedules in Grades 9 or 10.

**2000800 PRE-DP BIOLOGY (Grade 9) (1 Credit)**

This course is designed to present biology topics in an accelerated mode. The content includes, but is not limited to, biological classification systems, study of microscopes, scientific theories of the origin of life, cell biology, biological and ecological changes through time including fundamentals of biochemistry, populations and adaptation, structure and function of plants and of animals, and current technologies and trends. This course demands that students be capable of comprehending scientific concepts at an advanced level. Laboratory work offers students an opportunity to become familiar with scientific instruments and experimental methods.

**2003800 PRE-DP CHEMISTRY (Grades 9-10) (1 Credit)**

**PREREQUISITE: Pre-DP Biology (2000800). Concurrently take Algebra 2 Honors**

The purpose of this course is to focus on accelerated chemistry with related earth/space science topics. The content will include the study of composition, properties, and changes associated with matter. The content shall include, but not be limited to: atomic structure, energy, matter and order on earth and in space, the periodic table, bonding, chemical nomenclature, formulas and equations, the mole concept, reaction rate and equilibrium, solutions, acids and bases, electrochemistry, and organic chemistry. Laboratory investigations of selected topics in the content, which also include the use of scientific method, measurement, laboratory apparatus, and safety procedures, are an integral part of this course.



**2000805 IB BIOLOGY 1 (HL) (Grade 11) (1 Credit)****2000810 IB BIOLOGY 2 (SL) (Grade 11) (1 Credit)**

**PREREQUISITE:** *Pre-DP Chemistry (2003800)*

The purpose of this course is to provide advanced study of the principles and processes of biology. Students will analyze living systems with respect to bioenergetics, biochemical composition, cell infrastructure, physiology, genetics, and biological evolution. Students will explain high-level concepts in writing and perform data analysis. Also, students will formulate original hypotheses and collect and interpret the associated data. Each student will carry-out 3 original science fair-style experiments.

**2000820 IB BIOLOGY 3 (HL) (Grade 12) (1 Credit)**

**PREREQUISITE:** *IB Biology 1. Concurrently take Math SL or HL*

This course is an optional continuation of IB Biology 2. Students will prepare for exams by writing detailed descriptions and explanations of college-level biological concepts. Like IB Biology 2, this course will focus on molecular and cellular biology. Students will also design original experiments, each conducted individually from hypothesis formation through data collection, analysis, and evaluation.

**2003810 IB CHEMISTRY 2 (SL) (Grade 11) (1 Credit)**

**PREREQUISITE:** *Pre-DP Chemistry*

The purpose of this course is to provide a study of chemical principles, concepts, and experimental methods. Laboratory investigations, including the group four project, IB prescribed experiments for SL Chemistry, and an individual investigation are an integral part of this course. Students will manipulate a variety of laboratory apparatus, explain and predict organic reactions, name organic compounds, describe atomic structure, discuss acid-base theories, compare types of chemical bonds, explain intermolecular forces and their effect on bulk properties, write balanced equations for numerous types of chemical reactions, understand modern applications of chemistry to global issues, and communicate scientific ideas orally and in writing. At the conclusion of this course, students will take the SL IB chemistry examination.

**20033700M IB AP CHEMISTRY (HL) (Grade 11) (1 Credit)**

**PREREQUISITE:** *Pre-DP Chemistry*

The purpose of this course is to provide an in-depth quantitative study of chemical principles, concepts, and experimental methods. Laboratory investigations, including the group four project and AP required laboratory experiences are an integral part of this course. Students will manipulate a variety of laboratory apparatus, describe atomic structure, discuss acid-base theories, compare types of chemical bonds, explain intermolecular forces and their effect on bulk properties, write balanced equations for numerous types of chemical reactions, and communicate scientific ideas orally and in writing. This course does not include an in-depth study of organic chemistry, completion of the Individual Investigation or the IB options and thus does not prepare students to take an SL IB Chemistry examination. At the conclusion of this course, students will take the AP Chemistry examination.

**2003820 IB CHEMISTRY 3 (HL) (Grade 12) (1 Credit)**

**PREREQUISITE:** *IB AP Chemistry (20033700M)*

The purpose of this course is to provide an in-depth quantitative study of chemistry principles, concepts, and experimental methods. Laboratory investigations are an integral part of this course. Students will complete the IB prescribed labs for HL chemistry and the individual investigation in this course. Students will design and execute experiments to answer questions relating to chemistry, describe chemical equilibria, explain and predict organic reactions, name organic compounds, discuss acid-base theories, predict spontaneity of redox reactions, demonstrate a knowledge of advanced stoichiometry, communicate scientific ideas orally and in writing, understand applications of chemistry to global issues, and recognize the limitations of scientific inquiry. Within a two-year sequence, including AP chemistry for IB students, this course prepares students to take the HL IB Chemistry examination.

**20033900M PRE-DP PHYSICS 1 HONORS (Grade 10) (1 Credit)**

**PREREQUISITE:** *Pre-DP Biology. Concurrently take Pre-DP Chemistry (2003800) & Pre-DP Algebra 2 Honors (12003400M)*

This course will provide students with an introductory study of the theories and laws governing the interaction of matter, energy, and the forces of nature. The content shall include, but not be limited to, mechanics, thermodynamics, wave phenomena, electricity, magnetism, optics, sound, fluids and nuclear phenomena. Includes laboratory activities.

**2003845 IB PHYSICS (SL) (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *Physics Honors or AP Physics 1. COREQUISITE: Math SL or HL*

The purpose of this course is to continue to expand the study of physical concepts introduced in first-year physics and to introduce new topics. The content includes mechanics, thermodynamics, electrodynamics, magnetism, electromagnetic fields and induction, sound, oscillations and waves, atomic and nuclear physics, and relativity. Laboratory investigations are an integral part of this course.

**2001375 IB ENVIRONMENTAL STUDIES & SOCIETIES 2 (Grades 11-12) (1 Credit)**

Environmental Systems and Societies (ESS) is a college-level introduction to ecology. It is science applied to ideas presented in geography, economics, and TOK. ESS looks at the ways different people around the world perceive and respond to various environmental issues. ESS will allow students to dig deeper into the experiences and motivations for acting (or not acting) in different situations. The issues students encounter in ESS are complex and challenging. For many of the questions raised, *there are no right answers*. Students

will never be taught what to think about environmental issues; instead, students will learn about the interdependence of the various components of our planet to reach their own conclusions.

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## **INTERNATIONAL BACCALAUREATE (IB) SOCIAL STUDIES CURRICULUM**

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### **21098109      PRE-DP WORLD HISTORY (Grade 9) (1 Credit)**

This is a two-semester course which offers a full credit, and which meets the graduation requirements for World History. The purpose of this course is to provide a survey of world history and the humanities from preliterate times to the early nineteenth century. The course emphasizes the contributions of the past to contemporary life and the ways other societies have attempted to answer questions and solve problems that continue to perplex mankind today. Students will explore interpretations of history and change, the development of institutions, the meaning of the good life, myth and reality, growth and decline of civilizations, changing concepts of right and wrong, heroism, relationships between church and state, and conflicts between social and economic classes. Students will study primary and secondary source material to compare information, evaluate interpretations, and draw conclusions. There will be an emphasis on appropriate vocabulary, geographical reference, critical thinking, decision-making, technological, and essay writing skills. Students will produce research projects to be presented in standard paper form as well as orally.

### **2103400      AP HUMAN GEOGRAPHY (Grades 9-12) (1 Credit)**

Advanced Placement Human Geography combines the excitement of studying foreign cultures, the utilization of media technologies, and the chance to participate in an array of creative projects. The purpose of Human Geography is to expose students to the world's locations, cultures, economies, and governments. Students develop an understanding of spatial concepts, landscape analysis, and environmental plights. This course stresses hands-on participation to yield an overall understanding of the world and its people. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

### **2109420      AP WORLD HISTORY (Grade 10) (1 Credit)**

The purpose of this course is to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of the changes in international frameworks and their causes and consequences, as well as comparisons among major societies. Focused primarily on the past thousand years of the global experience, the course builds an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage prior to 1000 B.C.E. Based on the results of the AP exam, college credit may be awarded by participating colleges and universities. Meets graduation requirements for World History.

### **2100800      IB HISTORY OF THE AMERICAS (Grades 11-12) (1 Credit)**

Students understand the development of the nations of the Western Hemisphere within the context of history by examining connections to the past to prepare for the future as participating members of a democratic society. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings.

### **2109800      IB CONTEMPORARY HISTORY (Grade 12) (1 Credit)**

Students study the development of the contemporary world within the context of history in order to develop relationships and understand events during their lifetime. Students use knowledge pertaining to history, geography, economics, political processes, religion, ethics, diverse cultures and humanities to solve problems in academic, civic, social and employment settings. Students will assess the causes, practices and effects of war, evaluate the social and economic implications of de-colonization and the rise of new nations, trace the major economic developments of the 20th century, analyze social change in the developed world, and apply research and critical thinking skills and demonstrate the use of new and emerging technology in problem solving. Special attention will be paid to the development of Latin America in the 20th Century.

### **2102810      IB ECONOMICS 1 (HL) (Grade 11) (1 Credit)**

### **2102820      IB ECONOMICS 2 (SL) (Grade 11-12) (1 Credit)**

This course studies how and why humans make the choices that they do given certain constraints, such as limited resources, human behavior, institutional and legal frameworks, and precedent. You will fully analyze and evaluate some of the most important economic topics, including (but not limited to) supply & demand for goods & services, approaches to government intervention in the economy, market failures and society's responses to them, market structures, unemployment, inflation, fiscal policy as enacted by Congress, monetary policy as enacted by the Federal Reserve, possible solutions to poverty and income inequality, international trade and the importance and consequences of globalization, and how developing nations operate in the world market. Skills you will obtain include disciplined economic reasoning, an ability to apply the tools of economic analysis to situations and data and to explain the findings clearly, and form international perspectives which feature a tolerance and understanding of the diversity of economic realities in which individuals and societies function. Student performance/cognition will be determined by various methods of assessment: essays, simulations, debates, and self-assessments for individuals as well as groups. It is expected that the insights achieved in the economics course will carry into other courses taken at the IB level.

**2102830 IB ECONOMICS 3 (HL) (Grade 12) (1 Credit)****PREREQUISITE:** *IB Economics 1. Concurrently take Math SL or HL*

Economics is a continuation of topics covered in the first year of Standard Level Economics. HL is a further investigation of microeconomic and macroeconomic concepts and builds on student's abilities to analyze, synthesize and evaluate economic information. Students may earn up to 6 hours of college credit with successful completion of the course curriculum.

**2107800 IB PSYCHOLOGY 1 (HL) (Grade 11) (1 Credit)****2107810 IB PSYCHOLOGY 2 (SL) (Grade 11) (1 Credit)**

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 content includes theories and methods of study employed by psychologists, human growth and development, intelligence, human interaction, conditioning and learning, memory personality and behavior, stress, mental health, and psychological testing.

**2107820 IB PSYCHOLOGY 3 (Grade 12) (1 Credit)****PREREQUISITE:** *IB Psychology 1*

Students acquire an understanding of research methodology as applied to the study of human behavior. They apply knowledge of research design, error control and statistical analysis of empirical data to the study of human behavior. The content includes research designs, research error, research application, statistical analysis of empirical data, and ethical issues in research.

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**INTERNATIONAL BACCALAUREATE (IB) WORLD LANGUAGE CURRICULUM**


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**0701800 PRE-DP FRENCH 1 (Grade 9) (1 Credit)****0708800 PRE-DP SPANISH 1 (Grade 9) (1 Credit)****PREREQUISITE:** *Admission to the Pre-DP program*

The purpose of this course is to build students' language proficiency in the interpretive, interpersonal and presentational modes of communication. Students will acquire basic grammar and vocabulary through studying cultural products, practices and perspectives of the world. Students will read and listen to authentic texts to build their receptive skills. The course is designed to provide students with the fundamentals of pronunciation, vocabulary and grammar, as well as an introduction to cultures. The course will stress the development of communication skills, especially listening and speaking, but will also promote reading and writing skills.

**0701810 PRE-DP FRENCH 2 (Grades 9-12) (1 Credit)****0708810 PRE-DP SPANISH 2 (Grades 9-12) (1 Credit)****PREREQUISITE:** *Pre-DP French 1/Pre-DP Spanish 1*

Students will extend their language listening, speaking, reading and writing proficiency in all three modes of communication: interpretive, interpersonal and presentational. Emphasis will be placed on the acquisition of vocabulary and grammatical concepts through active communication. Students will deepen their awareness and appreciation of a variety of perspectives of people from diverse cultures by learning about their history, culture and contemporary issues. Coursework promotes students' understanding and use of the language to express and respond to a range of stimuli. Students can identify, organize and present ideas on a range of topics. They understand, analyze and reflect upon a range of written, audio, visual and audio-visual texts.

**0701825 IB FRENCH 3 (Grades 10-11) (1 Credit)****0708825 IB SPANISH 3 (Grades 10-11) (1 Credit)****PREREQUISITE:** *Pre-DP French 2/Pre-DP Spanish 2*

The focus of this course is on extending students' language proficiency by further developing their listening, speaking, reading and writing skills. Students enhance their language proficiency through the study and use of culturally authentic materials from a variety of sources and media, i.e. authentic literature, movies, news and magazine articles, popular music and other realia. The course is discussion-based, relies heavily on student interaction, and promotes a high degree of intercultural awareness and understanding. Students explore and write in a variety of text types and deliver oral presentations with fluency and accuracy. Students develop proficiency in increasingly complex functions such as narrating past events, describing future plans, expressing opinions, hypothesizing, and giving advice. The course emphasizes application of more sophisticated vocabulary. The areas of study include identities, experiences, human ingenuity, social organization and sharing the planet.

**0701840 IB FRENCH 5 (SL) (Grades 11-12) (1 Credit)****0708840 IB SPANISH 5 (SL) (Grades 11-12) (1 Credit)****PREREQUISITE:** *IB French 3/IB Spanish 3*

The aim of this course is to expand students' previously acquired language skills and refine their grammar control and overall expression. The continuing development of more sophisticated language skills (e.g. predicting, persuading, hypothesizing and synthesizing information) will be a critical focus. Emphasis will be placed on comprehension and communication of language in oral and written form. Students' interpersonal and presentational communication will focus on appropriate register and consideration of audience and purpose. Students engage in a range of written and spoken exercises including everyday conversations, authentic literary texts, social media, historical documents, and pop culture. Students will be expected to develop their intercultural understanding, comprehend and use the language in various contexts and for varying purposes, acquire an appreciation of the perspectives of people from other cultures, and

have the ability to recognize the relationship between the language and the culture from which it comes. The areas of study include identities, experiences, human ingenuity, social organization and sharing the planet.

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## INTERNATIONAL BACCALAUREATE (IB) MUSIC CURRICULUM

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**1300816 IB MUSIC 1 (HL) (Grades 11-12) (1 Credit)**

**1300818 IB MUSIC 2 (SL) (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *AP Music Theory (1300330)*

The purpose of this course is to develop the International Baccalaureate students' understanding of the techniques of listening, analysis, performing and composing using keyboard, computer-assisted writing, and applied instrument or voice medium. Students will identify examples of compositions from 1800 to the present with knowledge of representative works, titles, and composers. They will demonstrate basic music literacy to include definitions of musical sounds and their use in electronic musical scores, thus evolving nature and purpose of music notation and staff notation and aural recognition of examples of rhythm, melody, and harmony.

**1300820 IB MUSIC 3 (Grade 12) (1 Credit)**

**PREREQUISITE:** *IB Music 1 (1300816)*

The purpose of this course is to develop the International Baccalaureate students' mastery of techniques of listening, analysis, performing and composing using keyboard, computer-assisted writing, and applied instrument or voice medium. Students are required to produce computer-based or written compositions as well as a performance-based (instrumental or vocal) portfolio.

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## INTERNATIONAL BACCALAUREATE (IB) ARTS CURRICULUM

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**0114825 IB VISUAL ARTS 2 (SL) (Grades 11-12) (1 Credit)**

**PREREQUISITE:** *2-D Art 1 (0101300)*

The IB Diploma Program Visual Arts course encourages students to challenge their own creativity, cultural expectations, and boundaries. It is a thought-provoking course in which students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different context, students are expected to engage in experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. We are currently offering the SL program which consist of 9-18 pages in the Process Portfolio, 4-7 resolved artworks shown in an exhibition and a PowerPoint presentation consisting of 10-15 slides comparing and analyzing different artworks by different artists exploring artworks, objects, and artifacts from differing cultural context.

**0400810 IB THEATRE 1 (HL) (Grades 11-12) (1 Credit)**

**0400820 IB THEATRE 2 (SL) (Grades 11-12) (1 Credit)**

**0400830 IB THEATRE 3 (HL) (Grades 11-12) (1 Credit)**

IB theatre is a project-based program where you do not need any prerequisites or experience to enjoy this class. Theatre is a dynamic, collaborative, live art form. It is a practical subject that encourages discovery through experimentation, taking of risks and the presentation of ideas to others. It develops both theatre and life skills; the building of confidence, creativity and working collaboratively. It gives students the opportunity to make theatre as creators, designers, directors, and performers. It emphasizes the importance of working both individually and collaboratively as part of an ensemble. The student gains a richer understanding of themselves, their community and the world. Distinction between SL and HL is that HL has one more project than SL. The projects are enlightening and fun, with of course a lot of writing, but when isn't that true with IB classes. Join us in IB Theatre to expand your own personal and cultural perspectives.

**0300660 IB DANCE 2 (SL) (Grades 11-12) (1 credit)**

**PREREQUISITE:** *Dance Techniques 1, Dazzlers, or audition.*

Students will begin to understand dance as a set of practices with their own histories and theories, and to understand that these practices integrate physical, intellectual, and emotional knowledge. Students will experience dance as an individual and collective exploration of the expressive possibilities of bodily movement. This course will help the student to understand and appreciate mastery in various dance styles, traditions, and cultures (familiar and unfamiliar).

Students will be using previously attained dance techniques and knowledge to apply to the following areas of focus.

1. Composition and analysis.
2. World dance studies.
3. Performance.

**International Baccalaureate Diploma Curriculum\* for the State of Florida credits and courses required to fulfill the minimum course requirements for the IB curriculum and the Bright Futures Scholarship, the following courses are needed:**

4 credits	English	Group 1	Any level two or three course, must include at least one AP or IB course
2 credits	Foreign Language	Group 2	Any level two or three course in the same language
3 credits	Social Studies	Group 3	Any level two or three course, must include at least one AP or IB course
1 credit	Theory of Knowledge		Required of all students
3 credits	Science	Group 4	Any level two or three course (Biology 1 or higher), must include at least one AP or IB lab course
4 credits (grades 9-12)	Mathematics	Group 5	Any level two or three course (Algebra 1 or higher), must include at least one AP or IB course
9 credits	Arts/Electives	Group 6	Electives may include art/design, music, dance, theater arts, Latin, Classical Greek, Computer Science, a third modern language, a second subject from Group 3 or Group 4, Advanced Mathematics SL, a school- based syllabus approved by the IBO, or course listed in the Course Code Directory for which high school credit is granted. Must include at least one AP or IB course.

\*To fulfill the State of Florida requirements for the IB Diploma Curriculum, students must complete all internal and external assessment requirements for the IB Diploma, including a completed Extended Essay and CAS (Creativity, Action and Service).

If a student leaves the International Baccalaureate Program, he/she must then meet all graduation requirements as specified by Florida Statute and the Seminole County Student Progression Plan.

## ACADEMY OF HEALTH CAREERS

<u>Curriculum Area</u>	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
<b>Language Arts</b>	English 1 English 1 Honors	English 2 English 2 Honors	English 3 English 3 Honors AP English Lang	English 4 English 4 Honors AP English Lit
<b>Social Sciences</b>	World History World History Honors  (Optional) AP Human Geography	World History World History Honors OR American History American History Hon AP American History	American History American History Honors AP American History OR Economics & American Government Honors & AP Levels	Economics & American Government Honors & AP Levels <b>OR</b> Psychology AP Psychology Sociology AP Human Geography
<b>Mathematics</b>	Algebra 1 Algebra 1 Honors OR Geometry Geometry Honors OR Algebra 2 Algebra 2 Honors	Geometry Geometry Honors OR Algebra 2 Algebra 2 Honors OR Analysis of Functions OR Pre-Calculus	Algebra 2 Algebra 2 Honors OR Analysis of Functions OR Pre-Calculus OR Other math course according to math department progression	Math for College Readiness OR Analysis of Functions OR Other math course according to math department progression
<b>Sciences</b>	Environmental Science OR Biology Biology Honors *AP Biology OR Chemistry Chemistry Honors	Biology, Biology Honors OR Physical Science OR Chemistry Chemistry Honors OR Physics Physics Honors	Physics Physics Honors OR AP Biology AP Chemistry AP Environmental Science	Anatomy & Physiology Anatomy & Physiology H OR AP Biology AP Chemistry AP Environmental Science
<b>World Languages</b>	World Language 1 or 2	World Language 2 OR World Language 3 (optional)	World Language 3 or 4 (optional)	World Language 5 (optional)
<b>Once admitted to the Academy of Health Careers, you must select the Health Sciences track or the Biomedical Sciences track. There can be no switching from one track to another track.</b>				
<b>Patient Care</b>	Principles of Biomedical Science	Health Science Foundations	Health Science- Anatomy & Physiology	Nursing Assistant OR Allied Health Assisting OR Electrocardiography Tech
<b>Biomedical Sciences</b>	Principles of Biomedical Science	Human Body Systems	Medical Interventions	Biomedical Innovation





In order to remain in the Academy of Health Careers, students must maintain a 2.5 weighted GPA or higher, pass all semesters of Health Science with a C or better, and earn grades of C or better in all semesters of core academic courses.

## Seminole High School Academy of Health Careers Graduation requirements

SUBJECT	Credits Required	SUBJECT	Credits Required
ENGLISH - (I, II, III, IV)	4.0	<b>HEALTH SCIENCE</b> <i>(1 credit each year in grades 9-11 and Senior level 2 credit block; see curriculum guide for courses required) *these courses may not be used to fulfill science credits for science requirement</i>	5.0
SCIENCE (3 of the 4 credits must have lab components and must include Biology and Chemistry)  <i>STUDENT MAY NOT USE HEALTH SCIENCE COURSES IN THIS CATEGORY</i>	4.0	<b>FOREIGN LANGUAGE</b> <i>(Must be at least 2 years of the same language, and must be consecutive levels)</i> <i>* 3 or more credits are recommended for college</i>	2.0
MATHEMATICS (must include Algebra 1, and Geometry; must be taken while in high school-grades 9-12)	4.0	<b>PHYSICAL EDUCATION</b> Must include: Personal Fitness <u>AND</u> PE Elective  Student may also take 1.0 credit (S1 & S2 of HOPE)	1.0  .5 .5
<b>SOCIAL STUDIES –</b> Must include:  WORLD HISTORY  AMERICAN HISTORY  AMERICAN GVT.  ECONOMICS  <i>* 4 or more credits are recommended for college admissions</i>	3.0  1.0  1.0  .5  .5	<b>FINE ARTS-</b> One credit required in a fine arts or approved vocational elective  <b>OTHER ELECTIVES</b>  <i>Students must also complete one full online course for graduation</i>	1.0    4.0

**Total Credits Required: 28**

## PATIENT CARE

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### **87081109 PRINCIPLES OF BIOMEDICAL SCIENCE HONORS (Grade 9) (1 Credit)**

This course is designed to provide an overview of all the courses in the biomedical sciences program and lay the scientific foundation for subsequent courses. Students are introduced to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of the structure to function are also incorporated.

### **8417110 HEALTH SCIENCE FOUNDATIONS HONORS (Grade 10) (1 Credit)**

**PREREQUISITE:** *Principles of Biomedical Science (8708110)*

This course is an introduction to health care covering various health related careers and topics. Included are ethics, the communication process, vital signs, professionalism, lifelong learning and CPR. Students may shadow professionals throughout the course.

### **8417100 HEALTH SCIENCE – ANATOMY & PHYSIOLOGY HONORS (Grade 11) (1 Credit)**

**PREREQUISITE:** *Health Science Foundations 1 (8417110)*

This course is a study of the human body both structurally and functionally with emphases on the pathophysiology and transmission of disease.

**Certification:** *There is an end of the year test given by Seminole State College. If passed, three college credit hours are given for Introduction to Health Care. Also, students recertify Basic Life Support and CPR.*

**\*\*\* Spring of the junior year the student will apply for their “major” for senior year courses. \*\*\***

Grade 12 COURSES: (Student will apply for top 3 choices and will be placed in one track). These courses encompass **TWO CONSECUTIVE** periods a day and many require fingerprinting, drug testing, and physicals for off- campus clinical experiences.

**Option 1** - Allied Health Assisting 84171310 (1 credit) AND Directed Study 8400100H (1 credit).

**Option 2** - Certified Nursing Assistant Honors 8417211 (1 Credit) AND Directed Study 8400100N (1 credit).

**Option 3** - Electrocardiography Technician Honors- 8427130 (1 credit) AND Emergency Medical Responder Honors 8417171 (1credit).

### **84171310 ALLIED HEALTH ASSISTING (Grade 12) (2 Credits)**

#### **8400100H DIRECTED STUDY (Grade 12) (2 Credits)**

**PREREQUISITE:** *Health Science Foundations 2 (8417110)*

In this course students will have the opportunity to learn and perform skills representative of one to three areas of Allied Health with a focus on Medical Administrative Assistant. Clinical opportunities include at least 15 hours of job shadowing health professionals at our local hospitals and many guest speakers and classroom skills lab activities.

**Clinical requirements include current physical, up to date immunizations, flu shot, TB testing, drug testing and fingerprinting. Before conclusion of the course, students are eligible to take the Certified Medical Administrative Assistant exam.**

### **8417211 CERTIFIED NURSING ASSISTANT HONORS (Grade 12) (2 Credits)**

#### **8400100N DIRECTED STUDY (Grade 12) (2 Credits)**

**PREREQUISITE:** *Health Science Foundations 2 (8417110)*

This course prepares students to assist with all aspects of daily living for the adult patient in the hospital and nursing home setting. It includes classroom instruction, skills practice and a 40-hour clinical hands-on experience in a local nursing home.

**Clinical requirements include current physical, up to date immunizations, flu shot, TB testing, drug testing and fingerprinting, and health insurance. Upon successful completion, students are eligible to take the Florida State Certified Nursing Assistant exam.**

**8427130 ELECTROCARDIOGRAPHY TECHNICIAN HONORS (Grade 12) (2 Credits)**

**8417171 EMERGENCY MEDICAL RESPONDER HONORS (Grade 12) (2 Credits)**

**PREREQUISITE: Health Science Foundations 2 (8417110)**

The EKG course prepares students to be employed as Electrocardiograph Technicians. Content includes, but is not limited to, a foundation in the cardiovascular system, safety measures for the individual, co-workers and patients as well as training in the appropriate theories and instruments used by an Electrocardiograph Technician. Upon successful completion, the student is eligible to sit for the National EKG exam.

The EMR course prepares students to be employed as Emergency Medical Responders. Content includes, but not limited to, identifying and practicing within the appropriate scope of practice for an Emergency Medical Responder, demonstrating correct medical procedures for various emergency situations, proficiency in the appropriate instruments used, as well as a foundation in the musculoskeletal system of the body. Upon successful completion, the student is eligible to sit for the International EMS exam.

***Clinical requirements include current physical, up to date immunizations, flu shot, TB testing, drug testing and fingerprinting, and health insurance. Before conclusion of the course, students are eligible to take the Certified Emergency Medical Responder exam.***

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## **BIOMEDICAL SCIENCE PROGRAM**

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The purpose of this program is to provide students with a foundation of knowledge and technically oriented experiences in the study and applications of biomedical sciences and the possibilities in the biomedical field. The content includes but is not limited to the study of human body systems, medicine, health, key biological concepts, communication, transport of substances, locomotion, metabolic processes, defense, protection, research processes, engineering principles, and an introduction to bio-informatics. The program also includes the design and development of various medical interventions, including vascular stents, cochlear implants, and prosthetic limbs. In addition, students review the history of organ transplants and gene therapy and stay updated on cutting-edge developments via current scientific literature.

**87081109 PRINCIPLES OF BIOMEDICAL SCIENCE HONORS (Grade 9) (1 Credit)**

This course is designed to provide an overview of all the courses in the biomedical sciences program and lay the scientific foundation for subsequent courses. Students are introduced to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of the structure to function are also incorporated.

**8708120 HUMAN BODY SYSTEMS (2021-22) (Grade 10) (1 Credit)**

**PREREQUISITE: Principles of Biomedical Science (8708100)**

Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students will design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissue on a skeletal mannikin, work through interesting real-world cases and often play the role of biomedical professionals to solve medical mysteries.

**8708130 MEDICAL INTERVENTIONS HONORS (2022-23) (Grade 11) (1 Credit)**

**PREREQUISITE: Human Body Systems (8708120)**

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail with the organs of the body begin to fail. Through these scenarios' students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

**8708140 BIOMEDICAL INNOVATION HONORS (2023-24) (Grade 12) (1 Credit)**

**PREREQUISITE: Medical Interventions (8708130)**

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health.

***Before conclusion of the course, students are eligible to take the Certified Biotechnician Assistant exam.***





# **Seminole County Public Schools**



**400 East Lake Mary Boulevard  
Sanford, FL 32773**