

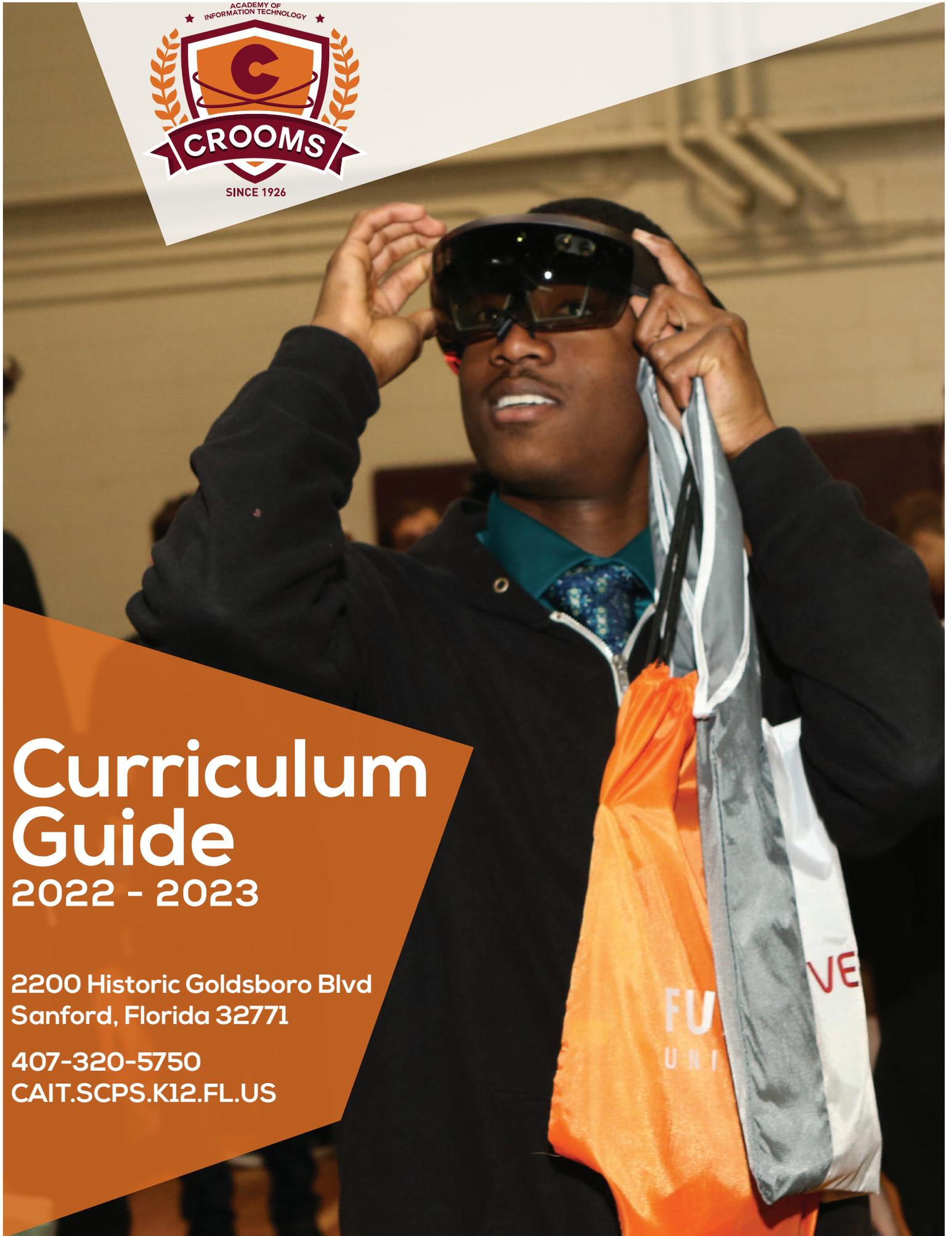


# Curriculum Guide

2022 - 2023

2200 Historic Goldsboro Blvd  
Sanford, Florida 32771

407-320-5750  
CAIT.SCPS.K12.FL.US



## **Seminole County Public Schools**

### **Educational Equity - Notice of Nondiscrimination**

The Educational Equity Administrator for Seminole County Public Schools has the responsibility of assuring compliance with the educational equity requirements by providing technical expertise, monitoring activities or programs related to compliance, and responding to equity complaints. One of the responsibilities is to administer the Educational Equity Complaint/Grievance Procedures as adopted by the School Board.

It is the policy of the School Board of Seminole County, Florida, that no employee, student, or applicant shall - on the basis of race, color, national origin, sex, disability, marital status, age, religion, or any other basis prohibited by law - be excluded from participating in, be denied the benefits of, or be subjected to discrimination and harassment under any educational programs, activities, or in any employment conditions, policies, or practices conducted by the District. Additionally, the School board of Seminole County provides equal access to public school facilities for the Boy Scouts of America and other designated youth groups as required by 34 C.F.R. 108.9.

Every employee, student, or applicant for employment at Seminole County Public Schools has a solemn right to be treated fairly, equally, equitably, and with dignity. If for any reason you - the employee, student, or applicant for employment - find that you have been victimized by acts of discrimination and or harassment, whether intentional or unintentional, you are strongly encouraged to file an Educational Equity Complaint or Grievance with the Educational Equity Administrator, or any county or school-level administrator. All such complaints must be immediately forwarded to the Educational Equity Administrator for dissemination, action, and resolution. Forward to: SCPS Educational Equity Administrator, Seminole County Public Schools, Educational Support Center, 400 E. Lake Mary Blvd., Sanford, FL 32773-7127, (407) 320-0198.





# Welcome to Crooms Academy of Information Technology

## Where we are Rich in Tradition, Pride, and Vision

**Vision Statement:** To build a culture of excellence and success for every student.

**Mission Statement:** The mission of Crooms Academy of Information Technology is to provide innovative teaching and learning in a technology-enriched environment and to engage students in an academically challenging curriculum that prepares them for post-secondary education with industry-validated technology skills.

### Administrative / Student Services Staff

Brandon Hanshaw, Ed. D, Principal  
Mariette Herro, Ed. D, Assistant Principal  
Brittany Campbell, M. Ed, Assistant Principal

Vincent Geigel, Ed. D, Certified School Counselor  
Adriana Teague, M. S, Certified School Counselor  
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# Career Success Program

As a member of the National Academy Foundation-NAF, Crooms AOIT embraces the NAF Design, which includes :  
Academy Development & Structure, Curriculum & Instruction, Advisory Board, Work-Based Learning

The Crooms Business Advisory Council support the pillars of the NAF Design. Work-based learning programs are infused in the academic and applied technology courses to ensure that students are future ready for college and the work place. All students are required to participate in the career programs with the support of the Junior Achievement partnership. Specific programs will be offered to students through the English, World History, and DIT courses. Students will earn a certificate of completion to include in their culminating activity of the Senior Portfolio Project. All programs require student participation to meet the NAF guidelines. Students who additionally participate in the Internship Program have the opportunity to earn the NAFTrack Certification.

**Very Important:** All seniors at Crooms AOIT must participate in the Seniors Portfolio Project as is encompasses all parts of our career education components. Crooms AOIT is a member of NAF. Every NAF Academy has a senior project outlined as a culminating activity. This project comes through the senior English class. However, if you do NOT have an English class or in the AA Pathway Program, you will still be required to participate in this project. ***\*Failure to participate in the Senior Portfolio will exclude you from participating in senior privileges such as Senior Lunch, Grad Bash, and the Senior Picnic as well as the inability to apply for our Business Advisory Council (BAC) scholarships.***

## AP Courses

Number	Course	Credit	Term	Page
2000340	AP Biology	1	YR	39
1202310	AP Calculus AB	1	YR	36
0200320	AP Computer Science A	1	YR	27
1001420	AP English Language & Composition	1	YR	33
1001430	AP English Literature & Composition	1	YR	33
2001380	AP Environmental Science	1	YR	39
2003420	AP Physics I	1	YR	39
2107350	AP Psychology	1	YR	42
1210320	AP Statistics	1	YR	35
2106420	AP U.S. Government and Politics	1	SEM	42
2100330	AP United States History	1	YR	41
2109420	AP World History: Modern	1	YR	41

# Dual Enrollment Courses

Number	Course	Prerequisite	Credit	Term	Page
CAP1760	Intro to Data Analysis	CGS2545C	0.5	SEM	27
CAP2801	Simulation & Gaming Fundamentals I	COP2800	0.5	SEM	27
CET1178C	Network Computer Maintenance & Repair	CET1179	0.5	SEM	21
CET1179	Network Concepts & Operating Systems		0.5	SEM	21
CET1526C	Introduction to UNIX (Linux+)	CET1179	0.5	SEM	22
CET1600C	Cisco Networking Fundamentals		0.5	SEM	23
CET1610C	Cisco Router Technology	CET1600C	0.5	SEM	23
CET2615C	Cisco Scaling Networks	CET1610C	0.5	SEM	23
CET2762	Amazon Web Services Fund.	CET1179	0.5	SEM	23
CGS2100C	Computer Applications		0.5	SEM	27
CGS2108C	Advanced Computer Applications		0.5	SEM	27
CGS2545C	Database Management	COP1000 or CGS2100C	0.5	SEM	27
CIS2028	Introduction to the IT Industry		0.5	SEM	26
COP1000	Principles of Computer Programming		0.5	SEM	26
COP2047	Python Programming	COP1000	0.5	SEM	27
COP2224	C++ Programming	COP2800 (with a "C" or higher)	0.5	SEM	27
COP2800	Programming in Java	COP1000 with a C or higher	0.5	SEM	26
COP2805	Advanced Java Programming	COP2800 with a C or better	0.5	SEM	26
COP2830	Web Programming I		0.5	SEM	2
COP2831	Advanced Java Script	COP1000, COP2830	0.5	SEM	27
COP2833	Data Driven Web Sites	COP1000, COP2830, CGS2545C	0.5	SEM	27
COP2836	Web Programming II	COP1000, COP2830, COP2831	0.5	SEM	27
CTS1120	Introduction to Internetworking Security	CET1179	0.5	SEM	22
CTS2142	Information Technology Project Management	CET1179	0.5	SEM	27
CTS2317	Advanced Security Certified Ethical Hacker	CTS1120	0.5	SEM	22
CTS2445	Oracle Structured Query Language (SQL)	CGS2545C	0.5	SEM	27
DIG2000	Introduction to Digital Media		0.5	SEM	24
DIG2109C	Design Fundamentals	DIG2000 or GRA2201	0.5	SEM	24
DIG2302C	3D Modeling & Animation I	DIG2000 or GRA2201	0.5	SEM	24
GRA2201	Digital Imaging I		0.5	SEM	24

\*Offered on Croom Campus



# Important Information for Students and Parents

## Scheduling

Crooms AOIT operates on a modified, alternating block schedule with 8 periods. The block schedule is designed to allow for extended periods of time where teachers may direct students to work on labs, group projects or other extension activities. 8th period is a homeroom used for various activities including tutoring, study hall, and class essentials.

Students cannot be on campus during class periods they are not scheduled for.

## Florida Standards Assessment (FSA) Prep Coursework

Based on Crooms' school improvement plan, students whose FSA ELA and Math EOC scores indicate they may not meet the FSA graduation requirement will be automatically registered into an FSA preparation class for one or two class periods, depending on previous FSA and oral fluency scores. Passing the FSA is a graduation requirement set by the state legislature, and Crooms AOIT intends to provide all students the opportunity to prepare appropriately for that requirement.

## 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 may be required.

## Donation Notification

In an effort to provide educational enhancements to students beyond the curriculum routinely offered, donations in certain courses historically have been collected in Seminole County Public Schools on a voluntary contribution basis. Every encouragement is given to students and parents to assist Crooms Academy of Information Technology in continuing the practice of course embellishment that these donations make possible. While such assistance is a practical requirement to maintain current practices, no student shall be denied the opportunity either to take any course or to participate fully in all aspects of a course in which donations are sought. In such circumstances, please simply notify your child's teacher. Thank you for your understanding and commitment to excellence.

## Technology Use In Education

Seminole County Public Schools believes technology is a valuable educational tool. All classroom teachers use technology as an instructional tool. Some examples of such activities are: use of the eCampus learning management system, Office 365, cloud storage and collaboration with OneDrive and Google Drive, the district's media/library catalog, web sites for education projects, on-line district and state classes and to conduct research in preparation for a project or presentation.

Students are photographed or videotaped for the purposes of daily school news broadcasts and yearbooks. Photographs or videos of students are also placed on school/district web pages as a form of recognition for special achievements, activities, projects and as a motivation to be creative.

Student works are published on the Web (Internet) to share stories, poems, and other creative works with other students and the school community and to provide motivations for writing.

If you wish to have your student excluded from any of the preceding activities, you may opt out in Skyward. Please be aware that opting out of local use, prohibits publishing your child's picture in the school yearbook.

## Virtual Labs

Each school year Crooms students may select 1 period on their schedule for a virtual lab in order to take an on-line course through Seminole County Virtual School or Seminole State College. Prior to being placed in a virtual lab, parents must complete the virtual course registration and provide written communication to their student's school counselor.

# How Do I Register?

Registration information will be distributed by grade level. Before selecting elective courses, all students should read this guide carefully to familiarize themselves with the information it contains.

Incoming students: Curriculum guides and registration forms will be distributed during the Panther Preview Preregistration night for incoming students on Thursday, February 3 at 5:30 p.m. Registration procedures and course selection information will be given at that time. **\*All information regarding courses and graduation requirements is subject to change, pending legislation and state mandates. Courses in this guide may be dropped if there is not sufficient enrollment for the course.**

## Guidelines For Current Students

1. Review the courses listed and consult with your classroom teachers over course selections.
2. Review the curriculum guide and discuss your course selections with your parents/guardians.
3. Write down any questions you may have for your counselor and discuss those questions with your counselor during the visit to Homeroom classes.

## Schedule Changes

Students are expected to remain in a course for its duration. Schedule changes due to failure and/or teacher preference are not permitted. Courses may be dropped and/or added during the first five days of each semester if one of the following conditions is met:

1. The course to be added is needed for graduation this year.
2. Computer error.
3. The student already has a credit in this course.
4. The student has failed to meet a prerequisite.

## Administrative Changes

Crooms 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 and to maintain class size requirements. Every effort will be made not to disrupt the educational process when such changes become necessary.

## Registration Calendar

January-March	Counselors meet individually with students through Homeroom classes to complete their registration process.
February 3	Panther Preview (5:30 p.m.) for incoming 9th/new students. More info to come!
March 9	Middle School registration forms submitted to middle school counselors if not submitted to Crooms

\*If additional assistance is needed with course selection for your incoming student, contact student services at 407-320-5754 to schedule a meeting with a counselor.

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## VIRTUAL SCHOOL

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Virtual schools provide a high-quality education along with flexible options to meet the demanding schedule of the 21st century student. Seminole County Virtual School (SCVS) is a franchise of Florida Virtual School, and also uses courses created or purchased by SCVS.

Students may attend SCVS full-time or part-time. Full-time options allow students to earn a standard Florida high school diploma. Full-time enrollment in SCVS occurs during two windows which are published on the SCVS website. Part-time enrollment NEVER closes and students may enroll in classes throughout the school year. Virtual classes can be taken in multiple ways including: outside of the school day, 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

<b><u>Math:</u></b>	Algebra I*, Geometry*, Algebra II*, Pre-Calculus (H), Calculus (H), Math for College Readiness, AP Calculus AB, AP Calculus BC, AP Statistics, MJ Math Suite, Math for Data and Financial Literacy, Probability and Statistics with Applications Honors
<b><u>Language Arts:</u></b>	English I*, English II*, English III*, English IV*, English IV College Prep, AP English Language, AP English Literature, Journalism,
<b><u>Social Studies:</u></b>	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
<b><u>Sciences:</u></b>	Biology I*, AP Biology, Earth Space Science*, Chemistry*, Physics*, Marine Science*, Physical Science*, Anatomy & Physiology*, Forensic Science, Environmental Science
<b><u>World Languages:</u></b>	French I, II & III*, AP French Language, Spanish I, II & III* IV*, AP Spanish Language, American Sign Language I, II, III*, IV*
<b><u>Electives:</u></b>	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.



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!

**FEBRUARY 1 –  
APRIL 1, 2022**  
On Time Application Period

**HIGH SCHOOL PROGRAMS  
OF EMPHASIS**

- 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.

	MODELING, SIMULATION, & ANALYSIS (C)	Hagerly 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.
	ACADEMY OF FINANCE (C)	Lake Brantley High School	The Academy of Finance offers a curriculum comprised of finance and business technology including Accounting Applications and Personal Financial Planning.
	CREATIVE DESIGN & ENTERTAINMENT (C)	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.
	CYBERSECURITY (C)	Lake Howell High School	The Cybersecurity program curriculum introduces and prepares students for careers in computer science and cyber-defense in multiple industries.
	BUSINESS & ENTREPRENEURSHIP (C/D)	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.
	ADVANCED MANUFACTURING & INNOVATION (C)	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.
	FORENSIC SCIENCE & LEGAL STUDIES (D)	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.
	ACADEMY OF BUILDING AND DESIGN (C)	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.
	BIOSCIENCE TECHNOLOGY (C)	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.
	PROBLEM SOLVING INCUBATOR (C)	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.
	AVIATION ACADEMY (C)	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.
	RENEWABLE ENERGY (D)	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.
	PUBLIC SERVICE ACADEMY	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)

**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 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





# Crooms Requirements for Graduation

To graduate, Crooms students must have all of the following:

- 26 Credits
- Passing Score on the FSA ELA10 & EOC Algebra I
- 2.0 unweighted Grade Point Average
- Completion of Required IT Courses
- Complete 1 Online Course

Subject	Credits
English	4
Science	4
Mathematics	4
Social Studies (World History, American History, American Government (0.5) & Economics (0.5))	3
Personal Fitness	0.5
Physical Education	0.5
Electives to include below	9
Fine Arts or practical art (courses that qualify as a fine art include Digital Information Technology, Web 1–4, Digital Design 1–5, 2-D Graphics, Chorus, Digital Media Fundamentals, Steel Band, and Game & Simulation Foundations)	1
Digital Information Technology (9 <sup>th</sup> grade)	1
Technology Support Systems–Client or A+ Network Concepts (10 <sup>th</sup> grade)	1
World Language suggested for college bound students (optional)	2

## Additional Graduation Requirements

Passing Scores on:

Grade 10 FSA English Language Arts Proficiency  
Algebra I EOC

## Additional Course Assessments

Geometry EOC: 30% of course grade

Biology EOC: 30% of course grade

US History EOC: 30% of course grade

## Grade Level Classifications

9 <sup>th</sup> Grade	A student who has been promoted from 8 <sup>th</sup> grade.
10 <sup>th</sup> Grade	A student who has earned six (6) credits beyond the 8 <sup>th</sup> grade.
11 <sup>th</sup> Grade	A student who has earned twelve (12) credits beyond the 8 <sup>th</sup> grade.
12 <sup>th</sup> Grade	A student who has earned nineteen (19) credits beyond the 8 <sup>th</sup> grade.

## Opportunities for Additional Credit

Students may earn additional credit toward graduation through any of the following programs for which they are eligible:

1. Students may be awarded high school credit in middle school for the following courses:
  - (a) Algebra I--the student must successfully complete and demonstrate mastery of the performance standards and pass EOC. Geometry--the student must successfully complete and demonstrate mastery of the performance standards. Any math credit earned in middle school will serve as a math elective in high school.
  - (b) Spanish taught at the middle school or to be taught on the high school campus--The students must successfully complete the course and demonstrate mastery of the performance standards.
  - (c) Biology/Environmental Science--The students must successfully complete the course and demonstrate mastery of the performance standards.
2. Early College / Dual Enrollment
3. Seminole County Virtual School
4. Florida Virtual School

Please consult the SCPS Student Progression Plan for information on waivers for the requirements for physical education, fine arts and specific science/math courses prior to registration.

## SEMINOLE COUNTY PUBLIC SCHOOL'S DIPLOMA PATHWAYS

In the spring of 2013 the Florida Legislature created new diploma options for the students of Florida. In doing so, they have offered students more choice as well as an opportunity to align their education to their future college and career plans. In Seminole County we refer to these new choices as Diploma Pathways. We call them Pathways because we believe that students should use their time in high school to embark on their own personal Pathway to success. Students may now choose a Pathway that will result in a standard high school diploma, a high school diploma connected with industry certification, a diploma designed to rigorously prepare them for the university setting, a diploma option in world languages, or an Advanced Placement diploma option.

Seminole County offers the Florida Seal of Biliteracy, which recognizes a high school graduate who has attained a high level of competency in one or world languages in addition to English. Beginning with the 2016-2017 school year, the Gold Seal/Silver Seal of Biliteracy will be awarded to high school students who earn a standard diploma and who earn four world language course credits in the same world language with a cumulative grade point average of 3.0 or higher on a 4.0 scale and achieve a qualifying score on a world language assessment.

In the subsequent chart you will find the Diploma Pathways and the corresponding expectations associated with each one. In addition to those offered by the state of Florida, Seminole County also offers the AP Capstone Pathway and Scholars with Distinction Pathway. These very rigorous Pathways will challenge even the most talented and dedicated students to an even higher level of academic accomplishment.

Seminole County will start each and every student on the Scholars Pathway. We want to ensure that students are setting their academic goals high as they begin high school. Through performance and self-selection, students and their families may opt to change Pathways as they progress through high school. Our goal is to have all students qualify to earn a Scholars Pathway diploma. In the end, regardless of the Pathway Diploma, we want every student in Seminole County to exit our school system as a graduate.

Your administrators and school counselors are available to provide further guidance on what each of the Pathways requires.

**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><i>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</i>  <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>
	<ul style="list-style-type: none"> <li>*Earn (1) credit in Statistics or equally rigorous mathematics course</li> <li>* Earn (1) credit in Algebra II or equally rigorous mathematics course</li> <li>*Earn (1) credit in Chemistry or Physics</li> <li>*Earn (1) credit in science course equally rigorous to Chemistry or Physics</li> <li>*Earn (2) credits in the same foreign language course</li> <li>*Earn (1) credit in Advanced Placement, International Baccalaureate, an Advanced International Certificate of Education, Dual Enrollment Course</li> </ul>
<b>TESING REQUIREMENTS</b>	<i>Passing Score on ELA state grad requirement test, Algebra 1 EOC, Geometry EOC, Biology I EOC, and US History EOC</i>
<b>MERIT DIPLOMA PATHWAY</b>	<b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>
	<p><b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>                      *Attain one or more Industry Certifications from the list established under S. 1003.492 F. S                      ****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***</p>
<b>TEST REQUIREMENTS</b>	<i>SAME AS THE STANDARD DIPLOMA</i>
<b>SCHOLARS WITH DISTINCTION DIPLOMA PATHWAY</b>	<b>REQUIREMENTS OF A SCHOLARS DESIGNATION PATHWAY PLUS:</b>
	<ul style="list-style-type: none"> <li>* Cumulative Weighted Grade Point Average of 3.75 or higher</li> <li>* (3) Consecutive years in the same World Language</li> <li>* (6) credits in AP or IB classes earning a grade of A or B or (4)AP or IB and (2) Dual Enrollment Credits</li> <li>* (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.</li> </ul>
<b>TEST REQUIREMENTS</b>	<i>SAME AS THE SCHOLARS DESIGNATION PATHWAY</i>
<b>BILITERACY DIPLOMA</b>	<b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>
	<ul style="list-style-type: none"> <li>*Earn four world language course credits in the same world language</li> <li>*Earn a cumulative grade point average of 3.0 or higher on a 4.0 scale</li> <li>*Earn a qualifying score on a World Language assessment</li> </ul>
<b>TEST REQUIREMENTS</b>	<i>SAME AS THE STANDARD DIPLOMA PLUS</i> <i>Qualifying score on a World Language assessment</i>
<b>ADVANCED PLACEMENT CAPSTONE DIPLOMA</b>	<b>REQUIREMENTS OF STANDARD DIPLOMA PLUS:</b>
	<ul style="list-style-type: none"> <li>*Satisfactory completion of the AP Seminar course as determined by College Board</li> <li>*Satisfactory completion of the AP Research course as determined by College Board</li> <li>*Satisfactory completion of four AP courses as determined by College Board</li> </ul>
<b>TEST REQUIREMENTS</b>	<i>SAME AS THE STANDARD DIPLOMA PLUS</i> <i>Satisfactory completion of AP courses as determined by the College Board</i>



# Earn Your Associate in Arts (A.A.) Degree at Crooms Academy



Students at Crooms who meet specific criteria will have the opportunity to earn the credits required to receive an A.A. degree from Seminole State College as part of their high school curriculum.

## What is an Associates in Arts (A.A.) degree?

An Associates in arts (A.A.) degree is designed for students to transfer as a junior to a college or university to continue their four year degree at Seminole state..

## What courses do I take?

Although each student's pathway to the A.A. degree will be slightly different, depending on elective choices and AP credits, highlights of the course sequence will include:

### Preparation Years

- **Ninth & Tenth Grades:** Crooms students will take high school courses and dual enrollment technology electives at the high school. Preferably students should have 2 years of World Language and 4 dual enrollment technology electives complete by the end of 10th grade. Students should take honors and AP level course work when possible to best prepare for college level course rigor.
- **Summers:** Students will be encouraged to meet some high school graduation requirements if needed, such as World Language through virtual school over the summer.
- **Eleventh Grade:** Participating students will take a combination of face to face and virtual dual enrollment courses at Crooms. Schedule and transportation permitting, students will also have the option to take courses not offered at Crooms face to face on Seminole State campus. Whenever possible, dual enrollment General Education courses will be scheduled to keep students in the same cohort together with the same instructor.
- **Twelfth Grade:** Participating Students will be full time at Seminole State College and may take a combination of online and face to face courses. Students must provide their own transportation to the college.

## What are the requirements?

- Every effort will be made to support students to earn college-ready scores on the Reading, Writing and Math sections of the PERT assessment, is a prerequisite to enrollment in General Education dual enrollment courses. The score requirement must be completed by the end of May in 10th grade.
- Students will be required to Maintain a 3.0 un-weighted cumulative GPA, which is a prerequisite to enrollment in General Education dual enrollment courses. The score requirement must be completed by the end of May in 10th grade.
- To be eligible, students must have a passing score on the Algebra 1 EOC and the 10th grade FSA ELA.

## What are the Benefits?

The program offers students the opportunity to complete their first two years of college (toward a bachelor's degree) at no cost to them. All fees (tuition, fees and books) are covered.

**Remember, a student does not officially start the AA Pathway Program until their 11th grade year.**



# General Education College Courses and Descriptions

## ENC1101 - English I

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. Prerequisite: Test scores that indicate ENC 1101 eligibility.

## ENC1102 - English II

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. Prerequisite: ENC 1101 with a grade of "C" or higher.

## MAC1105 - College Algebra or Higher Math Course

This course is a study of the fundamental topics in advanced algebra with emphasis on applications, the understanding of the function concept and manipulative skills. Major topics include operations on algebraic expressions and complex numbers, solving polynomial equations and inequalities, absolute value equations and inequalities and rational equations and inequalities, applications, functions, exponents and logarithms, graphs of polynomial, exponential and logarithmic functions and systems of equations and inequalities. The use of graphing calculators will be incorporated throughout the course. Prerequisite: MAT 1033 with a grade of "C" or higher or sufficient score on placement test.

## STA2023 - Statistical Methods I or Higher Math Course

This course introduces descriptive statistics, probability and probability distributions, estimation, confidence intervals, hypothesis testing, two-sample inferences, correlation and regression and nonparametric tests. This course is a first course in statistical methods for those students entering a science or business-related field. Prerequisite: MAC 1105 or MAT 1033 or MAT 1100 or equivalent with a grade of "C" or higher or sufficient score on placement test.

## SPC1608 - Speech Communication

The purpose of this course is to improve the basic skills of speaking and listening. Class exercises emphasize preparing and delivering public speeches, speaking with clarity and variety and listening with literal and critical comprehension.

## BSC2010C - General Biology I

This course is primarily for science majors or students with a strong biology background. It is a study of the molecular and cellular composition and function of living organisms. Emphasis will be given to structure, chemical metabolism and genetic mechanisms. Laboratory illustrates basic biological principles. Prerequisites or corequisites: ENC 1101 and MAT 1033 or MAT 1100 or higher level mathematics course.

## 2nd General Education Science with Lab.

Popular choices include but not limited to:  
CHM2045C- General Chemistry I  
PHY248C- Physics with Calculus I  
(Refer to link at the bottom of the page for full list)

## ECO2013 - Principles of Economics (MACRO)

This is an introductory course covering the nature, scope and methods of economics, economic concepts and economic institutions. Emphasis is placed upon production, consumption, determination of prices, distribution of income, fiscal policy, national income determinants, money and banking and comparative economic systems. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

## POS2041 - United States Federal Government

In this course basic aspects of the federal government are studied. Emphasis is placed upon content and interpretation of the Constitution, Federalism, the Congress, the Presidency, the federal court system and the citizen's connection to the federal government by means of elections, political parties, interest groups and public opinion. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite: ENC 1101 with a grade of "C" or higher or corequisite ENC 1101.

## AMH2020 - United States History 1865 to Present

This course begins with the "Reconstruction" period and examines the problems of reunifying America. The nation's industrial period gets close attention, as does the rise of American cities and their accompanying social and political problems. U.S. Imperialism and the Spanish-American War are examined. The "Progressive" period, which includes emphasis on the American Labor Movement and the demand for women's rights, are included. World War I and its aftermath in the "Roaring Twenties" are analyzed. The Great Depression and World War II are detailed. The conflicts of the late twentieth century, including the Cold War, Korea, Vietnam and the American Civil Rights Movement are examined. This course partially satisfies the writing requirement of S.B.E. 6A-10.030. Prerequisite or corequisite: ENC 1101.

## Two Humanities courses required.

One course must be a core course, the 2nd course must be chosen out of the opposite area (refer to link below).

Core choices Include:  
HUM2020- Experiencing Humanities  
PHI2010- Intro to Philosophy  
ARH1000- Art Appreciation  
LIT2000- Intro to Literature  
MUL2120 Music Appreciation  
THE2000- Theatre Appreciation

Full list of courses & descriptions can be located on the link below:  
<https://www.seminolestate.edu/become-a-student/what/aa-gened>



# Earn Your Associate in Arts (A.A.) Degree At Crooms

<b>Preparation Year Courses</b>			
*specific courses are not required but highly recommended. Honors courses are recommended			
<b>9th Grade</b>		<b>10th Grade</b>	
English I	1.0	English II	1.0
Math (Algebra, Geometry, Algebra II)	1.0	Math (Geometry, Algebra II, Precalc)	
Science (Biology, Chemistry, *AP Biology)	1.0	Science (Chemistry, *AP Biology)	
World History (*AP option)	1.0	US History (*AP option)	
Digital Information Technology	1.0	PE/Personal Fitness	
<b>GRA2201 Digital Imaging</b>	3 credits	<b>CET1179 Network Concepts</b>	3 credits
<b>DIG2000 Digital Media</b>	3 credits	<b>CET1178C Network Maintenance &amp; Repair</b>	3 credits
<b>CIS2028 Intro to the IT Industry</b>	3 credits	<b>DE Technology Elective - Semester 1</b>	3 credits
<b>COP1000 Principles of Computer Prog.</b>	3 credits	<b>DE Technology Elective - Semester 2</b>	3 credits
Subtotal: 12 college credits		Subtotal: 12 college credits	
<b>SCVS Summer School</b>			
World Language I	1.0	World Language II	1.0
<b>Official AA Pathways Courses</b>			
<b>11th Grade - Semester 1</b>		<b>11th Grade - Semester 2</b>	
<b>ENC1101 - English 1</b>	3 credits	<b>ENC1102 - English 2</b>	3 credits
<b>MAC1105 College Algebra (or higher math course)</b>	3 credits	<b>STA2023 Statistical Methods I (or higher math course)</b>	3 credits
<b>BSC2010C General Biology I</b>	3 credits	<b>POS2041 U.S.: Federal Government</b>	3 credits
<b>DE Technology Elective</b>	3 credits	<b>DE Technology Elective</b>	3 credits
Subtotal: 12 college credit		Subtotal: 12 college credit	
<b>12th Grade - Semester 1</b>		<b>12th Grade - Semester 2</b>	
<b>2nd General Science w/Lab</b>	3 credits	<b>SPC1608 Speech Communications</b>	3 credits
<b>ECO2013 Principles of Economics MACRO</b>	3 credits	<b>G.E. Humanities - Area A or B</b>	3 credits
<b>Core Humanities</b>	3 credits	<b>AMH2020 US History 1865 to Present</b>	3 credits
<b>DE Technology Elective</b>	3 credits	<b>DE Technology Elective</b>	3 credits
Subtotal: 12 college credits		Subtotal: 12 college credit	

college level courses in bold

For more information, contact:  
Crooms AOIT  
Adriana Teague  
407-320-5718  
Adriana\_teague@scps.k12.fl.us

# AA Pathway FAQ:

## **When am I officially part of the AA Pathway Program?**

Not until your 11th grade year pending you have college ready PERT, SAT or ACT scores, passing Algebra I EOC and FSA ELA 10th grade exam and a 3.0 GPA unweighted.

## **When should I take the PERT?**

You will need college ready PERT scores by the end of your 10th grade year to enroll in academic dual enrollment courses. Remember, you will only have the opportunity to take the PERT twice in the Spring of 10th grade. It is beneficial to wait to the end of your tenth grade year to acquire as much knowledge as possible.

## **What is an unweighted GPA?**

An unweighted GPA does not include any bonus quality points for taking Honors, AP or Dual Enrollment courses. It averages your grades based on 4.0 quality points for an A, 3.0 quality points for a B, 2.0 quality points for a C, 1.0 quality points for a C and 0.0 quality points for an F.

## **Do I have to take the recommended 9th grade and 10th grade courses to be accepted into the official AA Pathway program as an 11th grader?**

Not necessarily. The only requirements to be part of the official AA Pathway program as an 11th grader are college ready PERT, SAT or ACT scores, Passing Algebra I EOC and FLA ELA exam scores and a 3.0 GPA unweighted. HOWEVER, to minimize your work load as an upperclassmen and maximize your chance of successfully completing the program, we highly recommend the classes listed for the 9th and 10th grade.

## **Do I have to take honors level English, math, science and social studies classes my 9th and 10th grade years in order to be accepted into the official AA Pathway program as an 11th grader?**

No but it is highly recommended. It is important to remember that if you are accepted into the AA Pathway Program, you will be taking COLLEGE LEVEL English, math, science and social studies classes. Honors classes will better prepare you for the rigor of these postsecondary courses.

## **If I earn my AA degree at Crooms, can I still earn Bright Futures scholarships?**

Yes, students can still earn and use Bright Future Scholarships for their remaining post secondary education.

## **Will private schools and out of state universities recognize my AA degree?**

Most schools will recognize the degree, however application of credits towards a specific bachelor's degree will vary by university. We suggest you contact university admissions for more specific answers.

## **If I earn an AA degree at Crooms, will I have to declare my major when I start at a University?**

Yes. In most cases, students who have already earned an AA degree start at a University as a junior credit wise.

## **If I earn the AA degree can I be considered a transfer student thru Direct Connect?**

Students graduating from high school are required by the Universities to apply as a First Time Freshman. Reason being to be eligible for freshman scholarships and housing. A university may decide after review of application to accept a student as a transfer but that is up to the university.

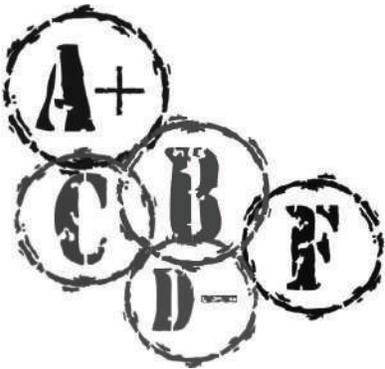


# Grading Policy Information

## Grade Scale

The following is the grading system for Crooms Academy of Information Technology:

Letter	Percentage
A	90–100
B	80–89
C	70–79
D	60–69
F	0–59



## Grade Point Average Calculation

Cumulative Grade Point Average (GPA) is based on final 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 not included.

Students have a Florida GPA which is unweighted and a weighted District GPA which is calculated using different weights for various grades.

Honors, Dual Enrollment and Advanced Placement courses weight grades of C or better. The chart below indicates the quality points each grade carries for both types of GPA.

Letter Grade	Quality Points	Quality Points	Quality Points
	Unweighted	Honors	Dual & AP
A	4	4.5	5
B	3	3.5	4
C	2	2.5	3
D	1	1	1
F	0	0	0

## Recognition of Academic Excellence

Honor Roll, Dean's List, and Principal's List are open to all students. These lists are prepared as follows:

1. Grade point averages are weighted and include all courses for which a letter grade is given.
2. Students carrying at least three on campus courses are eligible.
3. Any grade lower than a "C" automatically disqualifies a student.
4. The minimum GPA for Honor Roll is 3.0, for the Dean's List is 3.5, and for the Principal's List is 3.8. These averages are not rounded off; therefore a GPA of 2.99, 3.49, and 3.79 respectively are not sufficient.

## EOC/Competency Testing Requirement

According to Florida law, students must meet all academic requirements in order to receive a standard high school diploma from a public school. This means that students must take required courses, earn the correct number of credits, and maintain a passing grade point average. Students who meet these requirements, but do not pass the required assessments for a high school diploma, will receive a Certificate of Completion. Students are to have taken and passed the Algebra I and 10<sup>th</sup> grade Reading FSA. Concordant scores are as follows:

\*Algebra I - PSAT/NMSQT 430, SAT 420, ACT 16

\*FSA ELA 10 - ACT Reading 19 or SAT EBRW 480 or ACT an average score of 18 on English & Reading Subtests



# How Do I Earn College Credit at Crooms?

	Advanced Placement	Dual Enrollment
Entrance Requirements	Success in honors-level courses and pre-requisite coursework if applicable.	2.5 unweighted GPA; 3.0 unweighted GPA for AA Pathway PERT Scores required for AA by end of sophomore year: Reading 106; Writing 103; Math 123 Pre-requisites if applicable
How is College Credit Earned?	By scoring a 3 or better on the AP Exam administered in May	Successful completion of the course
How does Credit Appear on Transcript?	As a 1 credit AP course weighted with the highest quality points.	As a .5 or a 1.0 credit course depending on the articulation agreement on the high school transcript weighted with the highest quality points. As 3 or 4 hours of credit on the college transcript.
Who Accepts College Credit?	All 2-year colleges and most 4-year colleges/universities.	All 2-year colleges and most 4-year colleges/universities
Other Course Requirements	Students must maintain a passing grade in coursework in order to sit for the exam.	
Courses Offered	AP Psychology AP World History AP United States History AP U.S. Government & Politics AP Biology AP Physics 1 AP Environmental Science AP English Language AP English Literature AP Calculus AB AP Computer Science A AP Statistics	Including but not limited to: CISCO Network Fund. CISCO Router Technology. CISCO Scaling Networks CISCO Connecting Networks SQL Data Driven Websites Database Management Network Concepts Net Comp Main/Repair Web Programming I Web Programming II Digital Imaging I Intro to Digital Media Computer Applications Adv. Computer Applications Principles Comp. Program Intro to UNIX Java Programming Advanced Java Programming Intro to Internet Security Intro to IP Telephony Intro to Wireless Tech. C++ Programming Simulation & Gaming Fund 1 Python Programming Intro to Data Analysis Advanced JavaScript Design Fundamentals 3D Modeling & Animation Intro to the IT Industry Amazon Web Services Fundamentals

\*In all of the above courses, students who enroll must remain until the completion of the course.

\*\* Course availability based on SSC offerings and classes may be taught at Crooms or online through Seminole State

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". AA Pathways students will take four Dual Enrollment courses per semester.



# Florida's Bright Futures Scholarship Program

\*Subject to change with legislation

	Florida Academic Scholars Award	Florida Medallion Scholars Award	Florida Gold Seal Vocational Scholars*
2020-21 Award Amounts	4 Year/Semester Hour Award— <b>100%*</b> *To a public institution	4 Year/Semester Hour Award— <b>75%*</b> *To a public institution	Career Certificate— <b>\$39.00</b>
	2 Year/Semester Hour Award— <b>\$63.00</b>	2 Year/Semester Hour Award— <b>\$63.00</b>	Applied Technology Diploma— <b>\$39.00</b>
			Technical Degree Education— <b>\$48.00</b>
Weighted GPA	<b>3.5</b>	<b>3.0</b>	<b>3.0 cumulative with a 3.5 in 3 program courses</b>
Opportunities for Additional Credit	4 English	4 English	4 English
	4 Mathematics	4 Mathematics	4 Mathematics
	3 Natural Science	3 Natural Science	3 Natural Science
	3 Social Science	3 Social Science	3 Social Science
	2 World Language	2 World Language	1 Practical Art/Fine Art
Required Credits			1 Physical Education
			3 sequential technology classes with 3.5 GPA in these courses
Community Service	<b>100 Hours</b>	<b>75 Hours</b>	<b>30 Hours</b>
Test Scores	<b>Class of 2021</b> SAT = <b>1330</b> or ACT = <b>29</b>	<b>Class of 2021</b> SAT = <b>1210</b> or ACT = <b>25</b>	<b>Class of 2021</b> <b>ACT Scores</b> Reading <b>19</b> English <b>17</b> Math <b>19</b> or <b>SAT Scores</b> Reading <b>24</b> Writing and Lang <b>25</b> Math <b>34</b> or <b>PERT Scores</b> Reading <b>106</b> Writing <b>103</b> Math <b>114</b>

\* Beginning with the 2016-17 high school graduates, students who earn a Gold Seal CAPE (GSC) award and attain an AS or AAS degree may receive an additional 60 hours of funding toward a qualifying BS or BAS degree program.

In order to be eligible for an initial award from any of the three types of scholarships under the Florida Bright Futures Scholarship Program, a student must:

- Be a Florida resident. Earn a standard Florida high school diploma
- Be accepted by and enrolled in an eligible Florida public or independent postsecondary education institution.
- Be enrolled for at least 6 non-remedial semester credit hours or the equivalent in quarter hours or clock hours.
- Not have been found guilty of, or entered a plea of no contest to, a felony charge.
- Application opens October 1st of student's senior year

The School Counselors will be available to any senior requesting additional assistance with their application.

Complete information can be found in the Bright Futures Student Handbook: <https://www.floridastudentfinancialaidsg.org/PDF/BFHandbookChapter1.pdf>

# NAF Track Certification



# NAFTrack

CERTIFICATION

**NAFTrack Certification** is achieved through an online system created by education and business leaders to assess college and career readiness. NAF uses a multi-method approach to assess students on a broad range of skills. Student performance is measured through career-related coursework, a qualifying internship, and high school graduation. Upon successful completion of NAFTrack Certification, students are eligible for NAFTrack Certified Hiring!

## *NAFTrack Certification helps students...*

- Make the connection between their high school coursework and their futures
- Reflect on their own learning in order to set goals for personal and professional development
- Gain proficiency in taking online assessments, which are becoming more prevalent in higher education
- Demonstrate the hard and soft skills they develop throughout their academy experience
- Get on track to NAFTrack Certified Hiring, a commitment made by top companies to give special consideration to NAFTrack certified job applicants

### *Career Coursework*

Each NAF course has a culminating project and end-of-course exam, but academies may choose other approved certification pathways that do not include a culminating project. NAF culminating projects and end-of-course exams are designed to assess mastery of content and a variety of skills including: critical thinking, problem solving, teamwork/ collaboration, innovation, written communication, and quantitative reasoning.

### *Qualifying Internship*

Students are assessed by their internship provider. Internship requirements include:

- 120 hours or two 60+ hour internships
- Direct supervision by an accountable adult who is not the student's teacher
- Produces work of value to an employer
- Written individualized learning plan connected to student learning outcomes
- Completion of the NAFTrack Internship Assessment by the student intern's supervisor at the end of the internship
- Interns are paid at no less than the applicable state or local minimum wage, which may be a youth minimum wage if permitted by state or local law

### *High School Graduation*

As the final component of NAFTrack Certification, students must complete all school and district requirements for high school graduation.

Principals or their designee at the academy confirm that students are truly college ready and poised to enter the next phase of career preparation.



# How Do I Earn IT Certification at Crooms?

Students earn technology certifications by taking and passing industry certification exams. Certain courses are geared towards industry certification and help prepare students for specific tests. Below is a list of certification exams and the courses that prepare students to successfully pass those exams.

## Industry Certifications

Certification Exam	Corresponding Course
Adobe After Effects User	Digital Media Fundamentals
Adobe Animate User	2-D Graphic Development
Adobe Dreamweaver User	Foundations of Web Design
Adobe Illustrator User	DIG2000, Digital Design, 2-D Graphic Development
Adobe InDesign User	Digital Design
Adobe PhotoShop User	GRA2201, Digital Design, 2-D Graphic Development
Adobe PremierePro User	Digital Media Fundamentals, Digital Media Production Systems
Autodesk - 3ds Max	3D Game & Simulation Graphic Arts, Game & Simulation Design, Digital Media Fundamentals, Digital Media Production Systems
CIW Web Foundations Associate	Foundations of Web Design
CompTIA A+	Technology Support
CompTIA IT Fundamentals+	Digital Information Technology, CET1179, CET1178C, Cisco Courses, Technology Support
CompTIA Network+	Technology Support
CompTIA Project+	Technology Support
EC-Council Cyber Forensics Associate	Cybersecurity Essentials
EC-Council Ethical Hacker Associate	Operational Cybersecurity
Microsoft 365 Certified: Fundamentals	Computer & Network Security, Cybersecurity Essentials, Operational Cybersecurity
PMI: Project Management Ready	CET1179, CET1178C, Technology Support

*\*These certifications are not on the CAPE Secondary funding list, as such student families will be expected to fund the cost per attempt prior to testing. (cost is subject to change)*

## College Technical Certifications

Classes toward a Web Development Technical Certificate at Seminole State College	Required: COP1000 Principles of Programming, COP2830 Web Programming I, COP2831 Advanced Javasripts, and COP2833 Data Driven Websites, CGS 2545C Database Management  Choose 2: COP2836, COP2047, or CEN2724
Classes toward a Computer Programming Specialist Technical Certificate at Seminole State College	Required: CET1179 Network Concepts and Operating Systems, CGS2545C Database Management, COP1000 Principles of Computer Programming, , COP2800 Programming in Java  Choose 1: CGS2100C or CIS2028  Choose 1: COP2224, COP2360, COP2830, COP2047

*\*Requirements subject to change per Seminole State College of Florida.*

# Career & Technical Education

## Required course for all 9th graders:

**Digital Information Technology**  
**8207310**  
**1 Credit** **Grade 9**

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; utilizing software that meets industry standards.

## 10th Grade IT Magnet Academy Foundations:

Tech Support Services - Network Systems **or**  
 Network Concepts/Network Computer Maintenance & Repair

**Technology Support Services -  
 Client Systems Honors**  
**9001420**  
**Prerequisite: Digital IT**  
**1 Credit** **Grade 10**



**Network Concepts and Operating  
 Systems/ Network Computer  
 Maintenance and Repair (A+)**  
**CET 1179 & CET 1178C (6 hrs. credit SSC)**  
**Prerequisite: Digital IT**  
**1 Credit** **Grades 10-12**

This course provides technical knowledge and skills needed to prepare students for future careers in Information Technology specifically for introductory Client Support Services.

This course is an introduction to network maintenance and repair. Preventative maintenance and diagnosis of the microcomputer will be emphasized along with basic-to-advanced troubleshooting skills. This course will prepare the student for the Microsoft Technical Associate certification in Windows and optional CompTIA A+ certification exams\*.

Internships Available for students that meet these requirements:

Age 15 years or older  
 min 2.5 weighted GPA

**Information Technology Cooperative  
 Education OJT**  
**9000420**  
**By Application Only**  
**1 Credit** **Grade 11-12**

This internship course provides students with the opportunity to stimulate their career interest and to demonstrate human relations, communications, and employability skills necessary for entry-level employment in the information technology industry. Students will enhance and apply instructional competencies learned in the classroom through the internship experience. This internship must be a paid internship.

**Business Cooperative Education-OJT**  
**8200410**  
**Prerequisite: AOIT Internship/IT OJT**  
**1 Credit** **Grade 12**

This course is designed to provide the on-the-job training component when the cooperative method of instruction is used to prepare students for employment in business occupations. Students should only enroll in this course after they have fulfilled the AOIT Internship requirement.



# Applied Cybersecurity

## 9001300

Digital Information Technology  
8207310

**1 Credit**

**Grade 9**

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; utilizing software that meets industry standards.

**Computer Network & Security Fundamentals Honors**  
9001320

**Prerequisite: Digital IT**

**1 Credit**

**Grades 10-12**

This course introduces students to cybersecurity and provides them with essential computer and networking knowledge and skills, particularly those related to cybersecurity.

**Cybersecurity Essential Honors**  
9001330

**Prerequisite: Computer Network & Security Fund. Hon.**

**1 Credit**

**Grades 11-12**

This course provides students with insight into the many variations of vulnerabilities, attack mechanisms, intrusion detection systems, and some methods to mitigate cybersecurity risks, including certificate services and cryptographic systems.

**Operational Cybersecurity Honors**  
9001340

**Prerequisite: Cybersecurity Essentials**

**1 Credit**

**Grades 12**

This course provides students with insight into the many ways in which computer systems can be secured, countermeasures implemented, and risk assessment performed.

### Extensions

**Introduction to Internetworking Security**  
CTS 1120

**Prerequisite: CET1179**

**.5 Credit**

**Grade 11-12**

**Introduction to UNIX (Linux+)**  
CET 1526C

**Prerequisite: CET 1179**

**.5 Credit**

**Grades 11-12**

**Advanced Security Certified Ethical Hacker**  
CTS 2317

**Prerequisite: CTS 1120**

**.5 Credit**

**Grade 11-12**



**Gold Seal  
Eligible**

# Crooms DE Networking Pathway

## Digital Information Technology 8207310

**1 Credit**

**Grade 9**

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; utilizing software that meets industry standards.

**Network Concepts and Operating Systems/ Network Computer  
Maintenance and Repair (A+)  
CET 1179 & CET 1178C (6 hrs. credit SSC)  
Prerequisite: Digital IT**

**1 Credit**

**Grades 10-12**

This course is an introduction to network maintenance and repair. Preventative maintenance and diagnosis of the microcomputer will be emphasized along with basic-to-advanced troubleshooting skills. This course will prepare the student for the Microsoft Technical Associate certification in Windows and optional CompTIA A+ certification exams\*.

*\*The A+ Essentials certification is not on the CAPE Secondary funding list, as such student families will be expected to fund the cost of \$174 per attempt prior to testing. (cost is subject to change)*

**Cisco Networking Fundamentals (Net+)/  
Cisco Router Technology  
CET1600C/ CET1610C**

**.5 Credit Each**

**Grades 10-12**

This course is designed to prepare the student to apply and understand the basics of routing and switching. The course describes the architecture, components and operations of routers and switches in a small network.

## Extensions

**Amazon Web Services Fundamentals  
CET2762**

**Prerequisite: CET 1179**

**.5 Credit SCPS**

**Grade 11-12**

**Cisco Scaling Networks/  
CET 2615C**

**Prerequisite: CET1600C and CET1610C**

**.5 Credit Each**

**Grades 11-12**



# Digital Design

## 8209600

Digital Information Technology  
8207310



Gold Seal  
Eligible

### 1 Credit

Grade 9

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; utilizing software that meets industry standards.

### Digital Design I 8209510

**Prerequisite: Digital IT or concurrent**

**1 Credit**

**Grades 9–12**

Students will learn the basics of editing, manipulating, and creating a variety of raster-based images and vector graphics, along with the fundamentals of graphic design, page layout, and photojournalism. Students will use a variety of Adobe software including Photoshop, Illustrator, and InDesign to create flyers, posters, and news articles for electronic publishing.

### Digital Design II, III, IV Honors (Yearbook) 8209520 (Year 1), 8209530 (Year 2), 8209540 (Year 4)

**Prerequisite: Digital I and Application**

**1 Credit**

**Grade 10 - 12**

This course continues the development of skills required digital publishing careers. Content includes digital publishing operations; layout, design and measurement activities; and digital imaging as well as communication, collaboration and decision-making; critical thinking; and problem solving. Students will work on all aspects of the yearbook including writing, photography and marketing/sales. **After school participation and ad sales are required of all students.**  
Application Required

### Digital Imaging I/Introduction to Digital Media

**GRA2201/DIG2000**

**1 Credit**

**Grades 9–12**

First Semester is designed for the graphics individual who wishes to integrate photography with page layouts. Students will learn the basics of scanning, retouching, color correcting, proofing and output to printer devices. Students pursue Adobe Associate certification in Photoshop. Second Semester explores contemporary digital design, highlighting the importance of process, innovation and communication. Students learn to use Photoshop, Illustrator and InDesign to for graphic design projects. Developing and refining the design concept and execution is emphasized.

### Extensions

#### Design Fundamental DIG2109C

**Prerequisite: DIG 2000 or GRA 2201.**

**.5 Credit**

**Grades 10–12**

#### 3D Modeling and Animation I DIG2302C

**Prerequisite: DIG 2000 or GRA 2151C or  
GRA 2201**

**.5 Credit**

**Grades 10–12**

# Digital Media Technology

## 9005100

### Digital Information Technology

#### 8207310

**1 Credit****Grade 9**

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; utilizing software that meets industry standards.

**Gold Seal  
Eligible**

### Digital Media Fundamentals Honors

#### 9005110

**Prerequisite: Digital IT or concurrent****1 Credit****Grades 9-12**

Students will learn the basics of editing, manipulating, and creating a variety of raster-based images for photography and video, along with the fundamentals of motion graphics, audio/visual editing, and broadcast journalism. Students will use a variety of Adobe software including Photoshop, Premiere Pro, and After Effects to create short videos for the morning announcements.

### Digital Media Production Systems Honors

#### 9005120

**Prerequisite: Digital Media Fundamentals****1 Credit****Grade 10-12**

This is the second-year course for students interested in video production. Students will learn the basics of editing, manipulating, and creating a variety of raster-based images for photography and video, along with the fundamentals of motion graphics, audio/visual editing, and broadcast journalism. Students will use a variety of Adobe software including Photoshop, Premiere Pro, and After Effects to create short videos for the morning announcements.

### Digital Media Delivery Systems

#### 9005130

**Prerequisite: Digital Media Production Systems Hon.****1 Credit****Grade 11-12**

This course introduces students to the digital video and audio delivery media and associated protocols. Content includes technical aspects of evolving and emerging technologies used in the delivery of digital content.



# Java Development & Programming

## 900720

Digital Information Technology  
8207310

**1 Credit**

**Grade 9**

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; utilizing software that meets industry standards.



**Foundations of Programming Honors**  
9007210

**Prerequisite: Digital IT or concurrent**

**1 Credit**

**Grades 9-12**

This course introduces concepts, techniques, and processes associated with computer programming and software development.

**Procedural Programming Honors**  
9007220

**Prerequisite: Found. of Programming Hon.**

**1 Credit**

**Grades 10-12**

This course continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques. After successful completion of Programming Foundations and Procedural Programming, students will have met Occupational Completion Point B, Computer Programmer Assistant, SOC Code 15-1131.

**Intro to the IT Industry/  
Principles of Computer Programming**  
CIS2028/COP1000 (3 hrs. credit SSC)

**Corequisite: Algebra I or Digital IT**

**1 Credit**

**Grades 9-12**

Students will learn basic programming principles and concepts using the Java programming language. **Students must maintain an unweighted 2.5 GPA to continue with Dual Enrollment 2<sup>nd</sup> semester.**

**Programming in Java/  
Advanced Java Programming**  
COP 2800/COP 2805

**Prerequisite: COP1000 with a C or higher**

**1 Credit**

**Grades 10-12**

This course is designed to provide students the opportunity to design, code, develop, and implement advance programs using java, eclipse and NetBeans.





# Game & Simulation: Animation Programming 8208300

**Digital Information Technology**  
8207310

**1 Credit**

**Grade 9**

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; utilizing software that meets industry standards.



**Gold Seal  
Eligible**

**Game & Simulation Design**  
8208120

**1 Credit**

**Grade 9-12**

This course is designed to provide students an introduction to game and simulation design with an emphasis on play mechanics, rules/logic, industry tools, careers, interpersonal skills, plus societal and gaming industry impacts. Students will learn to program and design basic 2D games with no prior experience needed.

**Game & Simulation Programming**  
8208330

**Prerequisite: Foundations of Programming**

**1 Credit**

**Grades 10-12**

Students will learn basic programming principles and concepts using the C++ programming language alongside the Unreal game engine to program their own games and or simulations.

**Game & Simulation Advanced Applications**  
8208400

**Prerequisite: G&S Design AND ONE of the following:  
G&S Programming, G&S Graphic Artist,  
or 3-D Graphic Animation**

**1 Credit**

**Grade 11-12**

Students will use their varying prerequisite skills to develop single and multiplayer game projects using the Unreal Engine, source control, and agile development techniques.





# Technology Support Services

## 9001400

### Digital Information Technology 8207310

**1 Credit****Grade 9**

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; utilizing software that meets industry standards.

**Gold Seal  
Eligible**

### Technology Support Services - Client Systems Honors 9001420

**Prerequisite: Digital IT****1 Credit****Grade 10**

This course provides technical knowledge and skills needed to prepare students for future careers in Information Technology specifically for introductory Client Support Services.

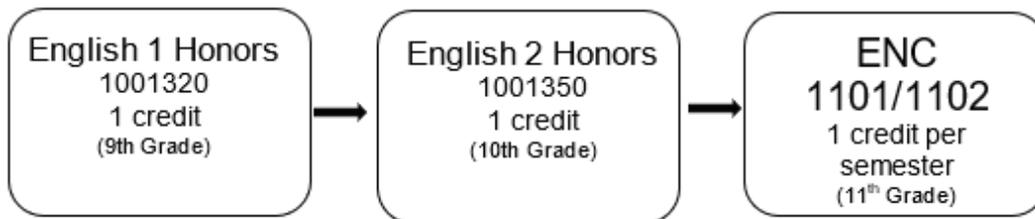
### Technology Support Services - Network Systems Honors 9001430

**Prerequisite: Technology Support Services - Client Systems****1 Credit****Grades 11-12**

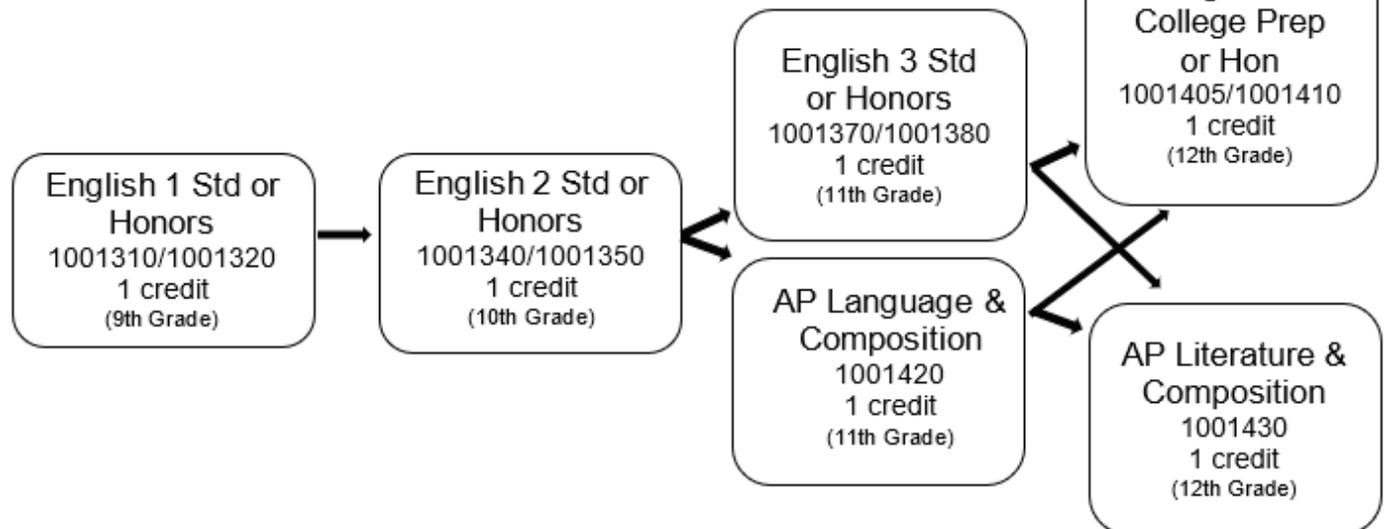
This course covers networking topics such as layers of the OSI model, features and functions of network components and the skills needed to install, configure, and troubleshoot basic networking hardware peripherals and protocols.

# Language Arts

AA Pathway Track



Traditional Track





# Language Arts

## English I Graduation Requirement 1001310

**1 Credit**

**Grade 9**

This course provides instruction in the fundamentals of grammar, writing and vocabulary, and literature (including nonfiction), poetry, and drama. Reading and writing strategies are based on FSA power benchmarks as assessed on the 9<sup>th</sup> grade FSA reading test. These strategies will be used to enhance higher level thinking skills. \*\* All students testing below grade level (levels 1&2) on the 8<sup>th</sup> and 9<sup>th</sup> grade FSA Reading test will also be placed in an Intensive Reading class.

## English I Honors Graduation Requirement 1001320

**1 Credit**

**Grade 9**

This course provides advanced instruction in the fundamentals of grammar, writing and vocabulary, and literature (including nonfiction), poetry, and drama. Reading and writing strategies are based on FSA power benchmarks as assessed on the 9<sup>th</sup> grade FSA reading test. These strategies will be used to enhance higher level thinking skills. Students in this course should expect outside reading and writing assignments.

## English II Graduation Requirement 1001340

**1 Credit**

**Grade 10**

This course continues to incorporate reading and writing skills developed in English I. Students will be exposed to world literature through various projects, papers, presentations, and readings. Emphasis will be placed on literatures of various cultures (fiction and nonfiction) as well as a variety of genres. Additionally, students will complete intensive practice activities reinforcing power benchmarks needed to succeed on the FSA Writing exam and FSA Reading.

\*\* All students testing below grade level (levels 1&2) on the 9<sup>th</sup> and 10<sup>th</sup> grade FSA Reading test will also be placed in an Intensive Reading class.

## English II Honors Graduation Requirement 1001350

**1 Credit**

**Grade 10**

This course continues to incorporate higher level reading and writing skills developed in English I. Students will be exposed to world literature through various projects, papers, presentations, and readings. Emphasis will be placed on literatures of various cultures (fiction and nonfiction) as well as a variety of genres. Additionally, students will complete intensive practice activities reinforcing power benchmarks needed to succeed on the FSA Writing exam and FSA Reading exam. Students in this course can expect outside reading and writing assignments.

## English III Graduation Requirement 1001370

**1 Credit**

**Grade 11**

This course continues to incorporate higher level reading skills through a survey of American Literature. Writing exercises become more extensive with emphasis on multi-paragraph essays as well as documented papers, position papers, and research papers. Additionally, students will complete intensive practice activities reinforcing power benchmarks needed to succeed on the FSA Writing exam and FSA Reading. SAT and college preparation become more focused. \*\* All students testing below grade level (levels 1&2) on the 9<sup>th</sup>, 10<sup>th</sup> and 11<sup>th</sup> grade FSA Reading test will also be placed in an Intensive Reading class.

## English III Honors Graduation Requirement 1001380

**1 Credit**

**Grade 11**

This course continues to incorporate higher level reading skills through a survey of American Literature. Writing exercises become more extensive with emphasis on multi-paragraph essays as well as documented papers, position papers, and research papers. SAT and college preparation become more focused. Additionally, students will complete intensive practice activities reinforcing power benchmarks needed to succeed on the FSA Writing exam and FSA Reading exam. Students in this course can expect outside reading and writing.

## English IV FL College Prep Graduation Requirement 1001405

**1 Credit**

**Grade 12**

Placement in this course is required for students requesting a 12<sup>th</sup> grade level language arts course who have not demonstrated college readiness as determined by test scores on the ACT or SAT. This course incorporates reading and writing study through writing a variety of informative text using grade-level writing craft and through the in-depth reading and analysis of informational selections in order to develop critical reading and writing skills necessary for success in college courses. This course prepares students for successful completion of Florida college English courses. The benchmarks reflect the Florida College Competencies necessary for entry-level college courses and are also related to the College and Career Readiness (CCR) anchor standards, the exit standards of Florida's K-12 Common Core Standards.

# Language Arts

## English IV Honors Graduation Requirement 1001410

**1 Credit**

**Grade 12**

In this course the primary emphasis on writing is critical analysis of literature and refining composition skills. Writing assignments include an extensive research paper that pairs with the student's professional portfolio. Additional writing projects include the college essay as well as extensive SAT practice. The literature is a survey in British literature and the course prepares students for college programs. Students in this course can expect outside reading and writing.

## AP English Language & Composition Fullfills Graduation Requirement 1001420

**1 Credit**

**Grade 11**

The purpose of this course is to provide students with an understanding of the semantic, structural, and rhetorical aspects of the English language. The course is designed to develop flexible writers who are able to write in various modes for a variety of purposes. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

## AP English Literature & Composition Fullfills Graduation Requirement 1001430

**1 Credit**

**Grade 12**

Students study and discuss great works of literature from various genres and periods. Designed to develop the students' understanding of style, subject, and audience, frequent reading and writing assignments focus on the critical analysis of literature. Based on the results of the Advanced Placement exam, college credit may be awarded by participating colleges and universities.

# Reading

## High School Reading Placement

Students in grades 9 and 10 who do not meet the requirements for satisfactory performance in English on FSA, may be enrolled the following year in an 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 junior and 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.

These courses are assigned based on assessment results

### 9<sup>th</sup> Grade Intensive Reading

**1 credit**

**Grade 9**

This course is created for fluent readers who need a less intense level of support of literacy skills necessary to pass FSA reading. The course uses a variety of texts to teach students strategies to develop and build literacy strategies and comprehension and writing skills. Students work on vocabulary and critical thinking skills while reading both fiction and non-fiction material. The ReadingPlus software program provides a computerized supplement for independent practice for 30 minutes three times per week. Placement is based on previous FSA level and other individual assessments.

This program is wide-ranging; building fluency, vocabulary and comprehension. Placement is based on previous FSA level and other individual assessments. By working in the web-based program ReadingPlus, students are assessed and then receive individualized reading intervention to build reading efficiency and comprehension.

### 11<sup>th</sup>/12<sup>th</sup> Grade Intensive Reading

**1 credit**

**Grade 11/12**

This course is created for fluent readers who need a less intense level of support of literacy skills necessary to pass FSA reading. The course uses a variety of texts to teach students strategies to develop and build literacy strategies and comprehension and writing skills. Students work on vocabulary and critical thinking skills while reading both fiction and non-fiction material. In addition, students are focused on the FSA retake in the fall and ACT and SAT prep in the spring. The Reading Plus software program provides a computerized supplement for independent practice. Placement is based on previous FSA level and other individual assessments.

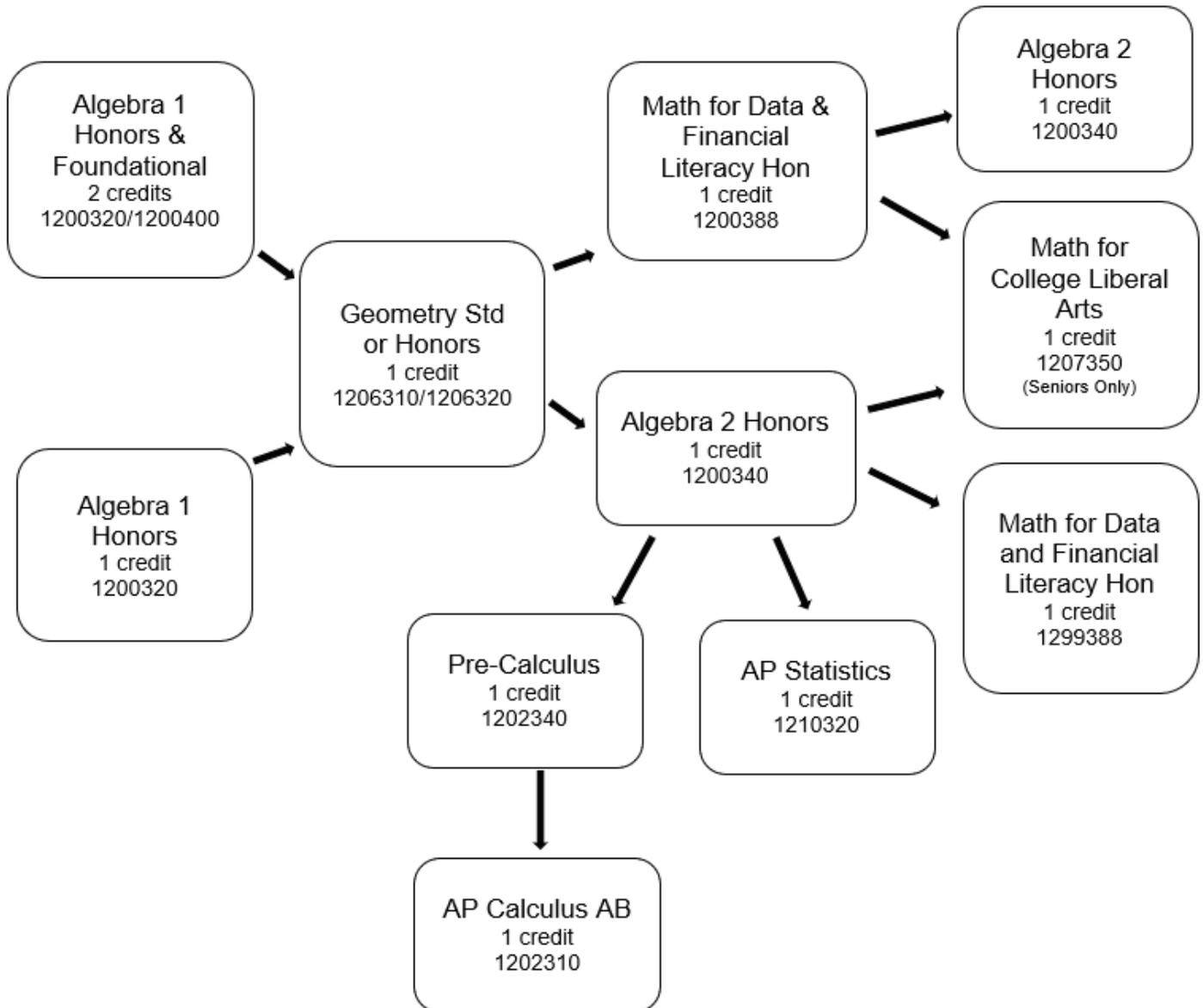
### 10<sup>th</sup> Grade Intensive Reading

**1 credit**

**Grade 10**

This course is created for students who are not yet fluent readers and need additional support on reading skills necessary to pass the FSA. The course utilizes whole group and small group individualized instruction, as well as independent learning opportunities through computer assisted instruction, audio books and independent reading.

# Math



# Mathematics

## Algebra I Honors Graduation Requirement 1200320

**Prerequisite: 8<sup>th</sup> Grade Math**

**1 Credit**

**Grade 9**

Algebra I Honors includes a rigorous, in-depth study of all of the topics included in Algebra I as well as Binomial theorem, solving radical and rational equations, systems of nonlinear functions, inverse functions, deeper exploration of arithmetic and geometric sequences and series. A graphing calculator is required for Algebra I Honors. It is strongly recommended that students taking this course have successfully completed their previous math course. Additionally, students will work on test taking skills and problem solving techniques to prepare for the End of Course Exam (EOC). Algebra I or its equivalent course is required for high school graduation.

## Geometry Graduation Requirement 1206310

**Prerequisite: Algebra I**

**1 Credit**

**Grades 9-10**

This course is designed to develop critical thinking skills in mathematical situations using deduction and discovery. Practical applications of geometric skills and concepts in the real world are included. Topics include, but not limited to: logic and reasoning, proofs, the study of Euclidean geometry of lines, planes, angles, triangles, similarity, rigid transformations, congruence, geometric inequalities, explorations with polygons and circles, area and volume, and constructions. Additionally, students will work on test taking skills and problem solving techniques to prepare for the End of Course Exam (EOC).

## Geometry Honors Graduation Requirement 1206320

**Prerequisite: Algebra I**

**1 Credit**

**Grades 9-10**

This course includes a rigorous, in-depth study of all of the Geometry topics as well as, but not limited to: in depth constructions, Cavalieri's principle, proving and applying laws of sines and cosines in non-right triangles, and conic sections. A graphing calculator is required. It is strongly recommended that students taking this course have successfully completed their previous math course. Additionally, students will work on test taking skills and problem solving techniques to prepare for the End of Course Exam (EOC).

## Algebra II Honors 1200340

**Prerequisite: Geometry**

**1 Credit**

**Grades 9-12**

This course includes a rigorous, in-depth study of all the Algebra II topics except rational expressions and equations, absolute value equations and inequalities, recursive formulas for arithmetic and geometric sequences, and normal distributions, which students are expected to have a solid understanding in from Algebra I Honors. Additional topics studied in this course include, but are not limited to: piecewise functions, binomial expansion theorem, discontinuities, asymptotic behavior in rational graphs, non-linear systems of equations, conic sections and partial sums of arithmetic and geometric series. A graphing calculator is required. It is strongly recommended that students taking this course have successfully completed their previous math course.

## Pre-Calculus Honors 1202340

**Prerequisite: Algebra II Honors or Analysis of Functions and Trigonometry**

**1 Credit**

**Grades 10-12**

Pre-Calculus is designed to provide a foundation for the study of Calculus. Topics include analysis of algebraic, exponential, polynomial, rational, logarithmic, and trigonometric functions, intermediate and extreme value theorems, analytic geometry, vectors, polar and parametric equations, complex number system, and infinite series, with an introduction to limits and continuity. A graphing calculator is required.

## AP Statistics 1210320

**Prerequisite: Algebra II**

**1 Credit**

**Grade 10-12**

The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.



# Mathematics

## AP Calculus AB 1202310

**Prerequisite:** Pre-calculus

**1 Credit**

**Grade 11-12**

AP Calculus is designed for the highly motivated college-bound student who wishes to pursue college level work while still in high school. This course is intended for students who have a thorough knowledge of college preparatory mathematics and elementary (algebraic, trigonometric, exponential, and logarithmic) functions. AB (Calculus I) topics include limits and continuity, derivatives and integrals, and their applications. Based on the results of the AP exam, college credit may be awarded by participating colleges and universities. A graphing calculator is required.

## Mathematics for Data and Financial Literacy Honors 1200388

**1 Credit**

**Grade 10-12**

In Mathematics for Data and Financial Literacy Honors, instructional time will emphasize extending knowledge of ratios, proportions and functions to data and financial contexts; developing understanding of basic economic and accounting principles; determining advantages and disadvantages of credit accounts and short- and longterm loans; developing understanding of planning for the future through investments, insurance and retirement plans and extending knowledge of data analysis to create and evaluate reports and to make predictions.

## Mathematics for College Liberal Arts 1207350

**1 Credit**

**Grade 12**

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

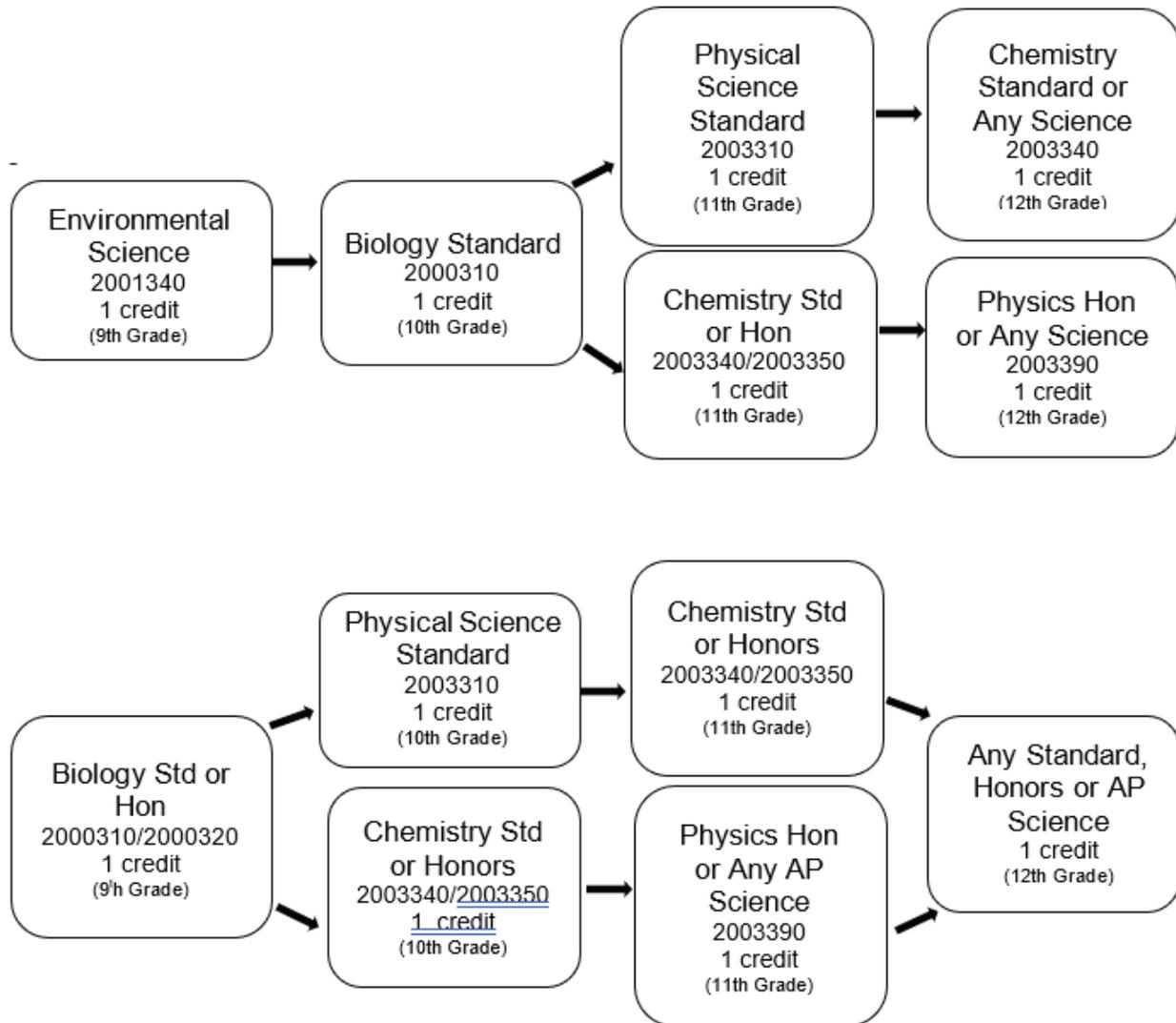
## Foundational Skills in Mathematics 1200400

**1 Credit**

**Grade 9**

Foundational Skills in Mathematics is a comprehensive, flexible course designed to meet the needs of students who score low on standardized assessments and require remediation. The course can provide remediation of the standards needed to demonstrate mastery.

# Science





# Science

**Biology I**  
Graduation Requirement  
2000310

1 Credit Grade 9-10

This course is designed to help students develop skills in the areas of cooperative learning, critical thinking, the scientific method, and the utilization of technology in the research of contemporary problems and issues. The study of life processes will include measurement, cellular biology, genetics, ecology, animal and plant anatomy and physiology, as well as an introduction to the structure and function of the human body. Laboratory activities and safe laboratory techniques are an essential component of the course.

**Biology I Honors**  
Graduation Requirement  
2000320

1 Credit Grade 9

In this course students will explore the relationship between organisms and their environments, and between individual cells and biological systems. The processes of life will be approached from the viewpoints of cellular structure and function, genetics and molecular biology, classification of organisms, physiology, biochemistry, and biological changes through time. Students will be presented scientific concepts at an advanced level. Laboratory activities are a significant component in the course and offer students an opportunity to become familiar with scientific instruments and experimental methods.

**Physical Science**  
2003310  
Prerequisite: Biology

1 Credit Grades 10-11

This course will prepare students understand the role of chemical and physical technology in everyday life and society. Laboratory activities and safe laboratory techniques are an essential component 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.

**Chemistry I**  
2003340  
Prerequisite: Biology I

1 Credit Grade 9-12

The purpose of this course is to introduce students to the study of the composition, properties and changes associated with matter. Some topics include 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 essential components of the course.

**Chemistry I Honors**  
2003350  
Prerequisite: Biology I Honors

1 Credit Grade 9-12

In this course, students will study composition, properties and changes associated with matter. The content includes: measurement, classification and structure of matter, atomic theory, moles, periodicity, chemical bonding, formula writing, nomenclature, chemical equations, stoichiometry, kinetic theory, gas laws, acids and bases, energy relationships, solids, liquids and solutions. Laboratory activities and safe laboratory techniques are taught.

**Physics I Honors**  
2003390  
Prerequisite: Geometry

1 Credit Grades 10-12

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 is not limited to, mechanics, wave phenomena, electricity, magnetism, optics and sound. Laboratory activities and safe laboratory techniques are essential components of the course.

**Marine Science I**  
2002500  
Prerequisite: Biology I

1 Credit Grade 12

The purpose of this course is to provide students with an understanding of the coastlines and tidal zones, tropical ocean and reef inhabitants, and deep marine organisms. Economic implications of marine resources and the impact of pollution of marine environment will be included. Laboratory activities and safe laboratory techniques are an essential component of this course and offer students an opportunity to become familiar with scientific instruments and methods.

# Science

## AP Biology 2000340

Prerequisite: Biology & Chemistry

1 Credit

Grade 10-12

This course is designed to be the equivalent of a two-semester college introductory biology course. Students will engage in an in-depth study of the following three areas: molecules and cells, heredity and evolution, and organisms and populations. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and an appreciation of science as a process.

## AP Physics I 2003421

Prerequisite: Biology & Algebra II

1 Credit

Grades 11-12

Algebra-based is the equivalent to a first-semester college course in algebra-based physics. It has been written to serve as a first physics course for high school students. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. During the course, students will prepare for the AP Physics I exam.

## AP Environmental Science 2001380

Prerequisite: Biology & Chemistry

1 Credit

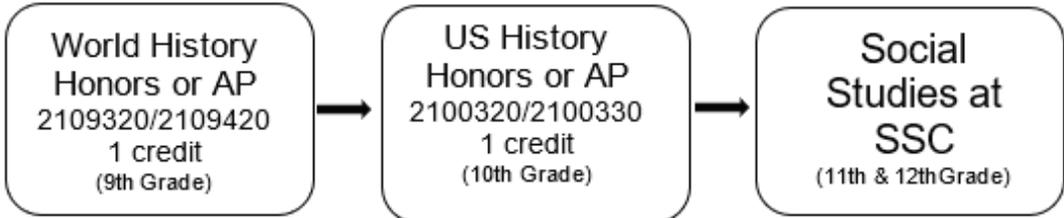
Grades 10-12

The AP Environmental Science is a rigorous course designed to be the equivalent of a one semester, introductory college course in environmental science. The goal of this interdisciplinary course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world in order to identify and analyze environmental problems that are natural and human-made. Students will evaluate the relative risks associated with these problems and examine alternative solutions for resolving or preventing these issues. Laboratories will support student content mastery in the course.

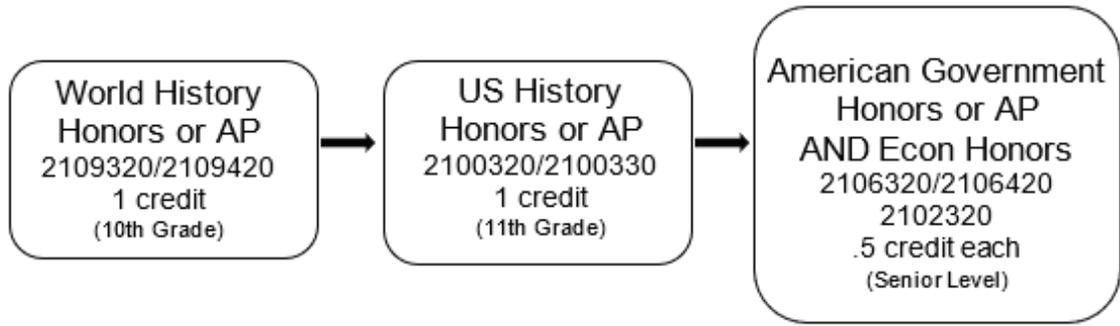


# Social Studies

AA Pathway Track

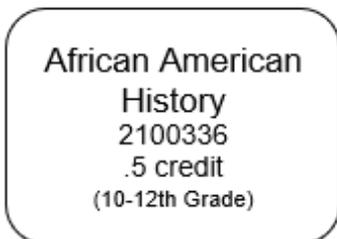
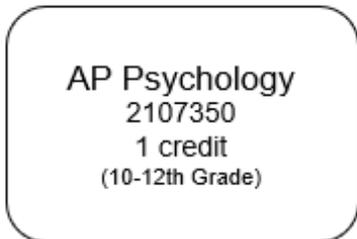


Traditional Track



*\*Social Studies is not required in 9<sup>th</sup> grade for students on the Traditional Track*

## Optional Social Studies Electives



# Social Studies

## World History Honors Graduation Requirement 2109320

**1 Credit** **Grades 9-10**

This course will provide an understanding of the contemporary world through an overview of the growth of world religions, the development of political traditions, contemporary world cultures, and current international events. While reading and writing strategies are incorporated in both courses, World History will put a stronger emphasis on using content to reinforce reading skills. Whereas, World History Honors will focus on research and writing methods to further deepen historical analytical skills.

**\*\*AA Pathways students may start their social studies progression with World History Honors or AP World History in the 9<sup>th</sup> grade.**

## AP World History: Modern Fullfills Graduation Requirement 2109420

**1 Credit** **Grade 9-12**

This course will develop a greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced by a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course is focused on the past thousand years of the global experience building on the understanding of cultural, institutional, and technological precedents that along with geography, set the stage prior to 1000 C.E.

**\*\*AA Pathways students may start their social studies progression with World History Honors or AP World History in the 9<sup>th</sup> grade.**

## United States History Honors Graduation Requirement 2100320

**1 Credit** **Grade 10-11**

This course is designed to help students develop an understanding of American history. The course begins with a two week review of colonization to reconstruction. The course continues with an in-depth study of America's rise to power, the Populist and Progressive movements, World War I, and the Crash. This in-depth study continues with an examination of the Depression, World War II, the 50's, 60's, the Vietnam War, Watergate, and the new millennium. While reading and writing strategies are incorporated in both courses. American History will put a stronger emphasis on using content to reinforce reading skills. Whereas, American History Honors will focus on research and writing methods to further deepen historical analytical skills.

## AP United States History Fullfills Graduation Requirement 2100330

**1 Credit** **Grade 10-12**

This course includes advanced content in American history, emphasizing critical essay writing, primary and secondary source research techniques, and in-depth interpretations, and analysis of the traditional historical periods of a chronological survey in American history. The content covered begins with pre-Columbian North American society to present day.

**Prerequisite: World History**



# Social Studies

## U.S. Government and Politics Honors Graduation Requirement

2106320

**.5 Credit****Grade 12**

This course provides students the opportunity to acquire an understanding of American government and political behavior. Content will include an analysis of documents which shape our political traditions, a comparison of the roles of the three branches of government at the local, state and national levels, a study of state and local government, an understanding of the evolving role of political parties, interest groups, and the media in determining government policy, how the rights and responsibilities of citizens in a democratic state have evolved and been interpreted, and the importance of civic participation in the democratic political process.

## Economics Honors Graduation Requirement

2102320

**.5 credit****Grade 12**

This Economics course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

**\*\*Must register for both classes**

## AP U.S. Government and Politics

2106420

**.5 Credit****Grade 12**

This course provides students with a challenging opportunity to develop the analytical skills and factual knowledge necessary to deal critically and objectively with the challenges, content, and materials of American government. Emphasis is placed on content and interpretation of the Constitution, federalism, the congress, the presidency, the federal court system, citizen involvement, American political traditions, and responsibilities of citizens.

## Economics Honors Graduation Requirement

2102320

**.5 credit****Grade 12**

This Economics course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

**\*\*Must register for both courses.**

## Social Studies Electives

### African- American History Honors

2100336

**.5 Credit****Grades 10-12**

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.

### AP Psychology

2107350

**1 Credit****Grades 11-12**

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. Students will also learn stress management skills.



# Fine Arts

## Chorus I, II, III, IV

1303300 (Year 1), 1303310 (Year 2), 1303320 (Year 3) 1303330 (Year 4)

**Prerequisite: None for Chorus I**

**1 Credit** **Grades 9-12**

Chorus I is to enable students to develop basic to advanced individual and ensemble skills in choral performance through preparation of musical theory, music history, and varied high school choral literature. Emphasis will be placed on healthy and expressive singing, accurate interpretation of notation, and development of critical and aesthetic response to music.

On and off campus performances are required during and after school.

## Music Technology & Sound Engineering 1304300

**1 Credit** **Grades 10-12**

Students will learn fundamental music terminology, literacy, performance, composition, distribution, and sound reinforcement through the use of digital sequencing tools such as FL Studio. In this class, students have the opportunity to explore the fundamentals of sound design, music theory, music production, and audio engineering.

## Instrumental Techniques I, II, III, & IV (Steel Band)

1302420 (Year 1), 1302430 (Year 2), 1302440 (Year 3), 1302450 (Year 4)

**1 Credit** **Grade 9-12**

Students will develop basic performance skills on selected percussion instruments in small ensemble and solo settings using a varied repertoire of musical literature. Performance techniques, music knowledge, critical analysis, and aesthetic response will be emphasized.

On and off campus performances are required during and after school.

# Personal Skills &

# Leadership Development

## Teacher Assistant Program

Office: 2104350/2104360

Teacher: 1700380/14003300T

**Prerequisite: Must be a Senior, 3.0 weighted GPA, maintain good attendance**

**1 Credit** **Grade 12**

Courses are only open for Seniors with a 3.0 weighted GPA or better, students must also maintain excellent attendance. The purpose of the course is to enable students to develop intermediate level knowledge and skills in communication and participate in operations and office duties as assigned. Students will be assigned to strategic areas of the campus such as Student Services, Media Center or Specific Teacher etc. These courses will be offered only as pass/ fail to students.

## Leadership Skills Development

2400300 (Year 1), 2400310 (Year 2), 0500520 (Year 3)

**Prerequisite: 3.0 GPA and by application only**

**1 Credit** **Grades 9-12**

Leadership is comprised of students who hold leadership positions on campus. Priority is given to student government and senior class officers, then other club or organization officers, publications, editors, etc.. The class is project-focused and offers students the opportunity to learn about leadership styles and techniques, group dynamics, and team building. Students participate in and lead a variety of school and community activities. **Applications are available on the school website and due by March 9.**

<http://www.cait.scps.k12.fl.us/resources/forms-and-documents.shtml>



# World Languages

## Spanish I 0708340

**Prerequisite: None**

**1 Credit**

**Grades 9-11**

This introductory course is for students with little or no prior knowledge of Spanish. Students are exposed to authentic materials and text rich in culture and literature. They will develop listening and speaking skills through conversation. The present tense of reading and writing skills will be emphasized.

## Spanish II 0708350

**Prerequisite: Spanish I**

**1 Credit**

**Grades 9-12**

This course emphasizes reading and writing at the intermediate level, with a focus on the past tenses. Students will continue to develop their speaking and listening skills as well. Structures taught in Spanish I will be reviewed prior to the presentation of new material. Students will gain a better understanding of various aspects of the Hispanic culture.

## Spanish III Honors 0708360

**Prerequisite: Spanish II**

**1 Credit**

**Grades 10-12**

This course focuses on everyday communication and prepares the students to speak and write appropriately in the language, in a variety of situations. Listening, speaking, reading, and writing skills at the advanced level are learned and applied through the use of authentic materials from Spain and Latin America. The course offers further insights into the Hispanic culture.

Virtual options for world languages include: American Sign Language, Latin, French, Spanish, and Chinese. See [FLVS.net](http://FLVS.net) for other options but choose Seminole County's virtual school option if available.

# Drivers Education

## Driver Education (After School Program) 1900310

**Prerequisite: Students must be 15 years old and hold a valid Learner's permit.**

**.5 Credit**

**Grades 9-12**

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.

\* This program is a collaborative effort between Seminole County Government, the municipalities; METROPLAN

Orlando and Seminole County Public Schools in an effort to better prepare our teen drivers and enhance the safety on our roadways.

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.

**Applications are available in the Student Services Offices at each high school prior to each semester or at the link below.**

<https://www.scps.k12.fl.us/district/departments/teaching-learning/special-programs/drivers-ed.shtml>



# Physical Education

## Wellness & Technology

These courses integrate technology into the curriculum. Wellness education revolves around the total person's intellectual, physical, emotional, spiritual, and social fitness. Each person must develop his or her unique pathway to wellness. A key factor in achieving wellness is developing an integrated and balanced lifestyle. The curriculum for personal fitness and health life management skills provide students with multiple opportunities to understand the importance of health concepts and significance of lifestyle on one's health and fitness. Physical Education and Health are the only subjects which, by the very nature of their content have the potential to affect how a person will feel every moment of every day for the rest of his or her life.

### Personal Fitness Graduation Requirement 1501300

**Prerequisite: None**

**.5 Credit**

**Grades 9-12**

The Personal Fitness curriculum focuses on students learning the benefits of an active lifestyle and how to become their own personal trainer. Students will learn how to train. All areas of health-related fitness based on the FITT Formula and target zone for fitness. Interval training, circuit training, and weight training. All are used to help increase fitness performance. Student's current health will be measured using Fitness Gains. This course is required for graduation.

### Team Sports I 1503350

**Prerequisite: None**

**.5 Credit**

**Grades 9-12**

This course focuses on development of fundamental skills, techniques, rules and terminology of selected team sports. Safety practices such as injury prevention through proper warm-up and cool-down procedures will be emphasized. Students will describe and demonstrate strategies utilized in selected team sports. Students will be able to self officiate games based on rules learned.

### Team Sports II 1503360

**Prerequisite: Team Sports I**

**.5 Credit**

**Grades 9-12**

This course focuses on the development of fundamental and advanced skills, techniques, rules and terminology, and offensive and defensive strategies of selected team sports. It continues to cover topics taught in Team Sports I. Students will be able to officiate their own games.

### Individual/Dual Sports 1502410

**Prerequisite: Team Sports I**

**.5 Credit**

**Grades 9-12**

This course is designed to provide learning experiences that will lead to the development of basic skills, knowledge, and techniques for a variety of recreational activities. Students will be expected to participate in moderate to vigorous activities, including kickball, pickle ball, badminton, as well as group games and exercises.





# Four Year Planner

Subjects	Graduation Requirement	Recommended for College	Grade 9	Grade 10	Grade 11	Grade 12
<b>English</b>	4	4	English I	English II	English III  AP Lang. & Comp	English IV  AP Lit. & Comp
<b>Math</b>	4	4	Algebra I, Gemometry, Algebra II	Geometry, Algebra II, Pre Calc	Algebra II, Pre Calc, AP Calc AB, AP Stats, Math for Data	Algebra II, Pre Calc, AP Calc AB, AP Stats, MCLA, Math for Data
<b>Science</b>	4	4	Biology, Chemistry	Biology, Chemistry, Physical Science, AP Biology, Physics	Chemistry, AP Biology, AP Enviro, Physics	Chemistry, AP Biology, AP Enviro, Physics, Marine Science
<b>Social Studies</b>	3	3		World History  AP World History:Modern	United States History  AP American History	US Govt/ Economics  AP US Govt/ Hon. Economics
<b>Physical Education</b>	.5 .5	.5 .5	Physical Education  Personal Fitness			
<b>Virtual Course</b>	1					
<b>Fine Arts</b>	1	1	Digital IT			
<b>World Language</b>		2	Spanish I or II	Spanish I or II	Spanish I or II	Spanish II
<b>IT Elective (Required)</b>	2	2	Digital IT	Tech Support Systems - Client Sytems  Network Concepts/ Netowrk Computer Maint. & Repair		
<b>IT Elective</b> See course description for options	7	5				
<b>Elective</b>						
<b>Total</b>	<b>26</b>	<b>26</b>	/	/	/	/



# Annual Student Planner

Student Name: \_\_\_\_\_ CTE Track: \_\_\_\_\_

Use space below to plan course selections for next school year, & indicate course title and level of rigor  
\* Ie, Science- Biology or Biology Honors or AP Biology

<b>English</b>	
<b>Math</b>	
<b>Science</b>	
<b>History</b>	
<b>Elective</b>	
<b>Elective</b>	
<b>Elective</b>	

## Things to Know

### 9th Grade

\*Digital Information Technology is required for all

Important to be involved in actives such as: sports, clubs and organizations.

All course grades are by semester not by year.

If earning A/B in current course, consider taking Honors or Advance Placement

Students have 4 years to meet graduation requirements & will need to utilize virtual school and summertime to recover lost credits.

Utilize 8th period for tutoring and homework completion.

### 10th Grade

\*Tech Support or CET1178C/1179 is required for all

Important to be involved in actives such as: sports, clubs and organizations.

Begin community service for senior scholarships.

If earning A/B in current course, consider taking Honors or Advance Placement

Students have 4 years to meet graduation requirements & will need to utilize virtual school and summertime to recover lost credits.

Utilize 8th period for tutoring and homework completion.

### 11th Grade

Search for leadership opportunities within sports, groups, and organizations.

Attend college visits and fairs

Prepare for SAT/ACT

Take advantage of Internship opportunities

Research colleges, majors, careers, military opportunities.

Continue community service

### 12th Grade

Senior Portfolio Projects are in December

Search for leadership opportunities within sports, groups, and organizations.

Attend college visits and fairs

Plan to retake SAT/ACT before December for college admissions.

Apply to colleges/universities early many have November 1st deadline or scholarship deadlines.

Take advantage of Internship opportunities

Apply to FAFSA and Bright Futures Scholarship starting in October

Apply to scholarships

Visit Senior page on Crooms website for information

Submit completed community service to your counselor. Recommended by December.

Submit final Crooms transcript to your future College/ university.

All required graduation credits and 2.0 GPA must be completed by end of Senior year.

# OCTOBER 1 – DECEMBER 1, 2021

## On Time Application Period

There is a sibling link for incoming 9th grade students to attend the same program that his/her sibling currently attends and will continue to attend. The new student is required to submit an application during the application period. Current students do not need to re-apply.

# HIGH SCHOOL MAGNETS

- Magnet Schools & Magnet Programs are high-quality and innovative educational programs that specialize in a particular theme and are open to all Seminole County students who meet the eligibility requirements.
- Transportation is provided to all students who live more than 2 miles from the school/program.
- Acceptance into a magnet school/magnet program for students applying for grade ten and above is contingent upon an administrative review of their transcripts.

	<p>Academy of Engineering Lyman High School <a href="http://www.lyman.scps.k12.fl.us">www.lyman.scps.k12.fl.us</a></p>	<p>Academy of Engineering magnet program prepares students to be innovative and productive leaders in science, technology, engineering, and mathematics (STEM). Students choose to explore an area of interest including aerospace engineering, digital electronics, civil engineering and architecture, and environmental sustainability.</p>
	<p>Academy of Health Careers Seminole High School <a href="http://www.seminolehs.scps.k12.fl.us">www.seminolehs.scps.k12.fl.us</a></p>	<p>Academy of Health Careers magnet program prepares students for employment in health care through the opportunity to earn nationally recognized industry certifications and dual enrollment/Career Pathways credit. The rigorous academic coursework, authentic on-site lab facilities, off-site clinical experiences, and staff of licensed nurses and doctors make the Health Academy a unique opportunity to prepare for a career.</p>
	<p>Crooms Academy of Information Technology <a href="http://www.cait.scps.k12.fl.us">www.cait.scps.k12.fl.us</a></p>	<p>Crooms Academy magnet program is a National Academy Foundation (NAF) Distinguished Academy and a Magnet Schools of America School of Excellence offering more than 20 I.T. industry certifications. In addition, students have the opportunity to earn an Associate of Arts degree in Information Technology, at no cost to the family, while earning their high school diploma.</p>
	<p>IB Diploma Programme Seminole High School <a href="http://www.seminolehs.scps.k12.fl.us">www.seminolehs.scps.k12.fl.us</a></p>	<p>For highly motivated, college-bound students, the International Baccalaureate (IB) Diploma Programme at Seminole High School offers college-level coursework that provides a distinct competitive edge. The program emphasizes independent study, promotes in-depth understanding, and teaches students how to learn, analyze, and reflect on what they know. The IB Diploma Programme has earned a reputation for rigorous assessment, helping IB diploma holders access the world's leading universities and programs.</p>
	<p>IB Diploma Programme Winter Springs High School <a href="http://www.winterspringshs.scps.k12.fl.us">www.winterspringshs.scps.k12.fl.us</a></p>	<p>The International Baccalaureate (IB) Diploma Programme is ideal for knowledgeable and caring young people who are motivated to grow as individuals through significant academic challenges. The IB Diploma Programme has earned a rigorous reputation and is integral in helping IB graduates access the world's leading colleges and universities. IB students are involved in everything from football, theatre, and leadership to cross country and band. With 40+ student organizations, 30+ sports, and 11+ certifications the sky's the limit at Winter Springs High School.</p>



Students applying for the IB Program zoned for Lake Brantley, Lake Mary, Lyman, & Seminole High School may only apply for Seminole High School. Students applying for the IB Program zoned for Hagerty, Lake Howell, Oviedo, & Winter Springs High School may only apply for Winter Springs High School.

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

