

CURRICULUM GUIDE 2024-2025

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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
Clayton Donnan, M. Ed, Assistant Principal	Vincent Geigel, Ed. D, Certified School Counselor
Brittany Campbell, M. Ed, Assistant Principal	Adriana Teague, M. S, Certified School Counselor
Sarah Hebel, M.S. Dean	Sully Parrales, M. A, 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 and the Senior Picnic as well as the inability to apply for our Business Advisory Council (BAC) scholarships.*

***Any senior who participates and completes a documented internship by January of their senior year may be excused from the Senior Portfolio Project.*

Internship fairs are held every April. Students interested in participating in an internship may contact Ms. Guerrero in the Cyber Center for available internships at any time.

ADVANCED PLACEMENT

Number	Course	Credit	Term	Page
2000340	AP Biology	1	YR	36
1202310	AP Calculus AB	1	YR	33
1001420	AP English Language & Composition	1	YR	30
1001430	AP English Literature & Composition	1	YR	30
2001380	AP Environmental Science	1	YR	36
2003420	AP Physics I	1	YR	36
1202305	AP Pre Calculus	1	YR	32
1210320	AP Statistics	1	YR	32
2106420	AP U.S. Government and Politics	.5	SEM	39
2100330	AP United States History	1	YR	38
2109420	AP World History: Modern	1	YR	38

DUAL ENROLLMENT

Number	Course	Prerequisite	Credit	Term	Page
CAP1760	Intro to Data Analysis	CGS2545C	0.5	SEM	13
CAP2801	Simulation & Gaming Fundamentals I	COP2800	0.5	SEM	13
CET1178C	Network Computer Maintenance & Repair	CET1179	0.5	SEM	7
CET1179	Network Concepts & Operating Systems		0.5	SEM	7
CET1526C	Introduction to UNIX (Linux+)	CET1179	0.5	SEM	8
CET1600C	Cisco Networking Fundamentals		0.5	SEM	9
CET1610C	Cisco Router Technology	CET1600C	0.5	SEM	9
CET2615C	Cisco Scaling Networks	CET1610C	0.5	SEM	9
CET2762	Amazon Web Services Fund.	CET1179	0.5	SEM	9
CGS2100C	Computer Applications		0.5	SEM	13
CGS2108C	Advanced Computer Applications	CGS2100C	0.5	SEM	13
CGS2545C	Database Management	COP1000 or CGS2100C	0.5	SEM	13
CIS2028	Introduction to the IT Industry		0.5	SEM	12
COP1000	Principles of Computer Programming		0.5	SEM	12
COP2047	Python Programming	COP1000	0.5	SEM	13
COP2224	C++ Programming	COP2800 (with a C or higher)	0.5	SEM	13
COP2800	Programming in Java	COP1000 (with a C or higher)	0.5	SEM	12
COP2805	Advanced Java Programming	COP2800 (with a C or higher)	0.5	SEM	12
COP2830	Web Programming I		0.5	SEM	13
COP2831	Advanced Java Script	COP1000, COP2830	0.5	SEM	13
COP2833	Data Driven Web Sites	COP1000, COP2830, CGS2545C	0.5	SEM	13
COP2836	Web Programming II	COP1000, COP2830, COP2831	0.5	SEM	13
CTS1120	Introduction to Internetworking Security	CET1179	0.5	SEM	8
CTS2142	Information Technology Project Management	CET1179	0.5	SEM	13
CTS2317	Advanced Security Certified Ethical Hacker	CTS1120	0.5	SEM	8
CTS2445	Oracle Structured Query Language (SQL)	CGS2545C	0.5	SEM	13
DIG2000	Introduction to Digital Media		0.5	SEM	10
DIG2109C	Design Fundamentals	DIG2000 or GRA2201	0.5	SEM	10
DIG2302C	3D Modeling & Animation I	DIG2000 or GRA2201	0.5	SEM	10
GRA2201	Digital Imaging I		0.5	SEM	10

*Highlighted courses are offered on Crooms Campus



HOW DO I EARN INDUSTRY CERTIFICATION?

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 potential certification exams and the courses that prepare students to successfully pass those exams.

Course Name	Certification Name
*Artificial Intelligence in the World	Information Technology Specialist (ITS) -
*Applications of Artificial Intelligence	Microsoft Certified: Azure AI Fundamentals
2D Game & Simulation Design	Adobe Photoshop User
3D Game & Simulation Graphic Arts	Autodesk Certified User - Maya
Advanced Java Programming	Information Technology Specialist (ITS) - Java
CET1178C Network Computer Maint & Repair	ITS Device Configuration and Management
CET1179C Network Concepts & Operating Systems	ITS Device Configuration and Management
CET1600C Cisco Introduction to Networks	Information Technology Specialist (ITS) - Networking
CET1610 Switching, Routing & Wireless Essentials	Cisco Certified Support Technician (CCST)-Networking
Computer & Network Security	ITS-CyberSecurity
Cybersecurity Essentials	Ethical Hackers Essentials
Digital Design I	Adobe InDesign User
Digital Design II, III, IV Honors (Yearbook)	Entrepreneurship & Small Business
Digital Imaging I	Adobe PhotoShop User
Digital Information Technology	CompTIA IT Fundamentals+
Digital Media Fundamentals	Adobe Photoshop User
Digital Media Productions	Adobe Premiere Pro User
Foundations of Programming	Information Technology Specialist (ITS) - Python
Foundations of Web Development	Information Technology Specialist (ITS) - HTML and CSS
Game & Simulation Design	Unity Certified User: Artist
Game and Simulation Advanced Apps	Unity Certified User: VR Developer
Game and Simulation Programming	Unity Certified User: Programmer
Intro to Digital Media	Adobe Illustrator User
Operational Cybersecurity	Digital Forensics Essentials
Principles of Computer Programming	Information Technology Specialist (ITS) - Java
Programming in Java	Information Technology Specialist (ITS) - Java
Technology Support- Client	ITS-Device Configuration Management

*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 Pathway students will take 12 credit hours Dual Enrollment per semester.



CAREER AND 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:

Any Technology Elective Offered at Crooms

OR

AA Pathway Required Technology Elective

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. Students must maintain an cumulative unweighted 2.5 GPA to continue with Dual Enrollment 2nd semester.

COLLEGE TECHNICAL CERTIFICATIONS

Additional Opportunities Available	Program Information
Courses toward a Web Development Technical Certificate at Seminole State College*	https://www.seminolestate.edu/catalog/programs/itssp-cc#tab-catalog-info
Courses toward a Computer Programming Specialist Technical Certificate at Seminole State College*	https://www.seminolestate.edu/catalog/programs/cprsp-cc#tab-catalog-info
Information Systems Technology AS (recommended for students who would like to continue to Seminole State College's Bachelors in Information Systems Technology)	https://www.seminolestate.edu/catalog/programs/cmppa-as

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

CROOMS TECHNOLOGY COURSES



COMPUTER GENERAL STUDIES

Digital Information Technology
8207310

1 Credit

Grade 9

Computer Applications CGS2100C

.5 Credit (3 SSC Credits)

Grade 9–12

This is an introductory course in computer applications that focuses on the effective use of word processing, spreadsheet, database and presentation software programs. Students will gain a fundamental knowledge of Microsoft Office 365 and learn skills that have practical applications in real world business situations. This course utilizes lectures and hands-on computer exercises. Students must maintain a cumulative unweighted 2.5 GPA to continue with Dual Enrollment 2nd semester.

Introduction to the IT Industry CIS2028

.5 Credit (3 SSC Credits)

Grade 9–12

This course provides students with a foundational understanding of information technology (IT) and information systems. The course examines the primary hardware and software systems that comprise a computing environment in various industries. Students must maintain a cumulative unweighted 2.5 GPA to continue with Dual Enrollment 2nd semester.



APPLIED CYBERSECURITY

Digital Information Technology
8207310

1 Credit

Grade 9

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. ***Participation in CyberPatriots - CyberSecurity competition is required.**

Cybersecurity Essentials Honors

9001330

Prerequisite: Computer Network &
Security Fundamentals Honors

1 Credit

Grades 10-12

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. ***Participation in CyberPatriots - CyberSecurity competition is required.**

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. ***Participation in CyberPatriots - CyberSecurity competition is required.**

Introduction to Internetworking Security

CTS 1120

Prerequisite: CET1179

.5 Credit (Semester 1)

Grade 11-12

This course examines the principles, mechanisms and implementation of network security and data protection. The topics presented will help students gain the fundamentals of network security and explain what happens behind the scenes and from the point of view of a computer. Topics include definition and use of password crackers, operating system exploits, what is a Hacker, IP Spoofing, Session Hijacking, Denial of Service attacks (DOS), Buffer Overloads, general concepts of password security, how to create a company-wide security policy, how to perform security audits and how to recover from such attacks.

AND

Advanced Security Certified Ethical Hacker

CTS 2317

Prerequisite: CTS 1120

.5 Credit (Semester 2)

Grade 11-12

This course examines in great depth the principles, mechanisms and implementation of network security and data protection. Students learn to understand the topics Cipher Block Mode, Key Distribution methodology, Public Key Infrastructure, Kerberos, X.509 Directory Security, IP/Web/Email Security, SLS (Secured Sockets Layer), PGP (Pretty Good Privacy) and Network Security Management from both an internal and external security reference. Basic networking concepts and security principles required.

Applied Cybersecurity Extensions

*Please see the Seminole State Catalog for course descriptions.

Introduction to UNIX (Linux+)

CET 1526C

Prerequisite: CET 1179

.5 Credit

Grades 11-12



CROOMS DE NETWORKING PATHWAY

Digital Information Technology
8207310

1 Credit

Grade 9

Network Concepts and Operating Systems & Network Computer Maintenance and Repair (A+)
CET 1179 & CET 1178C (SSC 3 Credit hrs. each)

Required for Students Pursuing the AA Pathway

Prerequisite: Digital IT

.5 Credit Each Semester

Grades 10-12

These courses are an introduction to computer networks and operating systems. Computer components are identified and their functions explained. Operating system functions include command execution, disk drive operations, file maintenance, directory maintenance, batch files and system configurations. Network topics include proper logging in, logging out, network security and network questions and solutions. Operating typical business software such as word processing, spreadsheets and database management of a network will be introduced. Additionally, the courses serve as an introduction to network maintenance and repair. Preventative maintenance and diagnosis of the microcomputer will be emphasized along with basic-to-advanced troubleshooting skills. Software and hardware tools will be used and evaluated in class. Preventative maintenance, upgrades, system diagnostics, configuration files, power, memory, drives, input/output (I/O), modems, communications, printing and how these topics interact in the network will be examined. *Students must maintain an unweighted cumulative 2.5 GPA to continue with Dual Enrollment 2nd semester.

Cisco Networking Fundamentals & Cisco Router Technology
CET1600C & CET1610C (SSC 3 Credit hrs. each)

.5 Credit Each Semester

Grades 10-12

These courses are designed to prepare the student to apply and understand the basics of networking. The course introduces the architecture, structure, functions, components and models of the Internet and computer networks. The principles of IP addressing, fundamentals of Ethernet concepts, media and operations are introduced to provide a foundation for the curriculum. Students will be able to build simple LANs, perform basic configurations for routers and switches, implement IP addressing schemes, and apply security best practices. This is the first part of a three-part series designed to prepare students for the Cisco Certified Networking Associate (CCNA) exam. Additionally these courses will prepare the student to apply and understand the architecture, components, and operations of routers and switches in small networks and introduces wireless local area networks (WLAN) and security concepts. Students will be able to configure and troubleshoot routers and switches for advanced operation using security best practices, resolve common issues with protocols in both IPv4 and IPv6 networks, configure VLANs and inter-VLAN routing, configure redundancy on a switched network using STP and EtherChannel and configure switch security to mitigate LAN attacks. This is the second of a three-part series designed to prepare students for the Cisco Certified Networking Associate (CCNA) exam. Students must maintain an unweighted cumulative 2.5 GPA to continue with Dual Enrollment 2nd semester.

Networking Extensions

*Please see the Seminole State Catalog for course descriptions.

Amazon Web Services Fundamentals

CET2762 (SSC 3 Credit hrs.)

Prerequisite: CET 1179

.5 Credit

Grade 11-12

Cisco Scaling Networks

CET 2615C (SSC 3 Credit hrs.)

Prerequisite: CET1600C and CET1610C

.5 Credit

Grades 11-12

TECHNOLOGY SUPPORT SERVICES

Digital Information Technology
8207310

1 Credit

Grade 9

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.





DIGITAL DESIGN

Digital Information Technology
8207310

1 Credit

Grade 9

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 3)

Prerequisite: Digital Design I and Application

1 Credit

Grade 10 - 12

These courses continue the development of skills required in digital publishing careers. Content includes digital publishing operations, layout, design, measurement, imaging, communication, collaboration, 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

Foundation of Web Design Honors
9001110

Prerequisite: Digital IT or concurrent

1 Credit

Grades 9–12

This course is designed to provide students with opportunities to acquire and apply foundational skills using HTML5 and CSS so that they may learn to design for the web and build websites.

Digital Design Extensions

*Please see the Seminole State Catalog for course descriptions.

Design Fundamentals
DIG2109C

Prerequisite: DIG 2000 or GRA 2201.

.5 Credit

Grades 10–12

Digital Imaging I/Introduction to Digital Media
GRA2201/DIG2000

1 Credit

Grades 9–12

3D Modeling and Animation I
DIG2302C

Prerequisite: DIG 2000 or GRA 2151C or GRA 2201

.5 Credit

Grades 10–12

DIGITAL MEDIA TECHNOLOGY

Digital Information Technology
8207310

1 Credit

Grade 9

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.

Digital Media Delivery Systems
9005130

Prerequisite: Digital Media Production Systems Honors

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 PROGRAMMING & DEVELOPMENT

Digital Information Technology
8207310

1 Credit

Grade 9

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. **Offered on SCVS only*

Principles of Computer Programming & Programming in Java
COP1000 & COP 2800

Corequisite: Algebra I or Digital IT

.5 Credit Each Semester (SSC 3 Credits each)

Grades 9-12

These courses cover the basic concepts of computer programming. Students use a structured approach using the Java programming language to design and program logic techniques such as iteration, initialization, conditional processing, accumulation and sequencing. Also considered are programming style and program efficiency. Logic techniques and data formats are illustrated using high level programming languages. This class utilizes classroom lecture and hands-on programming exercises. A working knowledge of the Windows PC including starting programs, saving files and copying files is required. Additionally, these courses provides an introduction to object-oriented programming using the Java programming language. Students will design, build, test and debug computer applications that utilize classes, objects, inheritance, polymorphism and interfaces. Students must maintain an unweighted cumulative 2.5 GPA to continue with Dual Enrollment 2nd semester.

Database Management & Oracle Structured Query Language (SQL)
CGS 2545C & CTS 2445

Prerequisite: COP 1000 or CGS 2100C

.5 Credit Each Semester (SSC 3 Credits Each)

Grade 10-12

These courses are a study of database design and management. Topics include the relational model, data modeling, Entity Relationship Diagrams (ERDs), database design, query languages, big data, and data warehouses. These classes cover the industry standard Structured Query Language (SQL) and additional SQL features specific to Oracle relational databases. Students learn to create and maintain database objects and to store, retrieve and manipulate data. Classroom lecture and hands-on lab assignments reinforce the fundamental concepts. This course prepares students for the Oracle Application Developer and Database Administrator exams.

Computer Science Extensions

*Please see the Seminole State Catalog for course descriptions.

Intro to Data Analysis

CAP 1760

Prerequisite: CGS 2545C

.5 Credit

Grade 10-12

Information Technology Project Management

CTS 2142

.5 Credit

Grade 10-12

C++ Programming

COP 2224

Prerequisite: COP 2800 with a C or higher

.5 Credit

Grade 11-12

Python Programming

COP 2047

Prerequisite: COP 1000

.5 Credit

Grade 10-12

Simulation and Gaming Fundamentals

CAP 2801

Prerequisite: COP 2800

.5 Credit

Grades 11-12

Advanced Java Programming

COP 2805

Prerequisite: COP 1000 & COP 2800

.5 Credit

Grades 10-12

Data Driven Web Sites

COP 2833

Prerequisite: COP 1000, COP2830, CGS2545

.5 Credit

Grade 11-12

Web Programming I

COP 2830

.5 Credit

Grades 10-12

Advanced Java Script

COP 2831

Prerequisite: COP 2830 and COP1000

.5 Credit

Grade 10-12

Advanced Java Programming

COP 2805

.5 Credit

Grades 10-12

Web Programming II - COP 2836

Prerequisite: : COP 2830,
COP 2831, and COP 1000

.5 Credit

Grades 10-12

Advanced Comp. Applications

CGS 2108C

Prerequisite: Digital IT

.5 Credit

Grades 10-12



GAME & SIMULATION

Digital Information Technology
8207310

1 Credit

Grade 9

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.

Animation Programming Track

Visual Design Track

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 modern game engines to program their own games and or simulations.

Game & Simulation Graphic Artist
8208130

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 art and animation. Students will use a variety of Adobe software including Photoshop, Illustrator, and Animate to create artwork in various styles for video games and 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 modern game engines, source control, and agile development techniques.

AND/OR

Game & Simulation 3D Graphic Animation
8208140

Prerequisite: Digital IT
1 Credit Grades 10-12

Students will learn the basics of extrusion modeling, UV unwrapping, material creation, key frame animation, and lighting in preparation for the Autodesk 3D Studio Max certification.

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 modern game engines, source control, and agile development techniques.

ARTIFICIAL INTELLIGENCE

Digital Information Technology
8207310

1 Credit

Grade 9

Artificial Intelligence in the World
9401010

.5 credit (Semester 1)

Grade 10-12

This Course introduces students to the principles of Artificial Intelligence (AI). The course defines “Intelligent Behavior”, describes the relationship between AI and computer science, explains the history of AI and showcases applications of AI in the real world. Students will explore the role of data in AI applications and the algorithms which guide AI decision making. Students will learn about the role of perception in AI and how AI agents use information in decision making. Students will engage in hands-on activities related to use of AI in machine learning. This course also covers ethics in AI applications.

Applications of AI
9401020

.5 credit (Semester 2)

Grade 10-12

The purpose of this course is to assist students in deepening understanding for application of AI and to explore methods and tools utilized to build AI models. The content includes but is not limited to foundational knowledge and skills related to methods and software used to develop AI applications using data sets. Instruction and learning activities are provided in a laboratory setting using hands-on experiences with the equipment, materials and technology appropriate to the course content and in accordance with current practices.

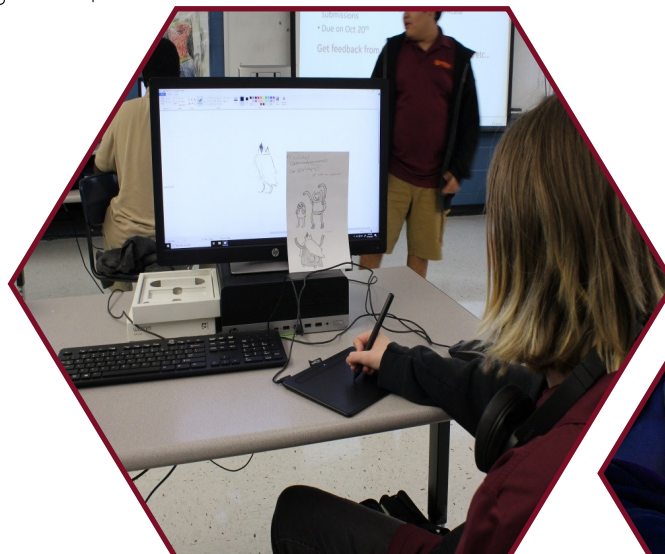
Procedural Programming
9007220

Prerequisite:: Foundations of Programming 9007210 or COP 1000

1 credit

Grade 11-12

This course continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques.





IMPORTANT INFORMATION FOR STUDENTS AND PARENTS

Scheduling

Crooms AOIT operates on a 7 period schedule on M, T, F and block scheduling on W and Th. 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. Homeroom is 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 Assessment of Student Thinking (FAST) Prep Coursework

Based on Crooms' school improvement plan, students whose FAST ELA and Math EOC scores indicate they may not meet the FAST graduation requirement will be automatically registered into an FAST preparation class for one or two class periods, depending on previous FAST and oral fluency scores. Passing the FAST 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 sought in Seminole County Public Schools on a voluntary contribution basis. Every encouragement is given to students and parents to assist high school students 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.

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, virtual course registration must be completed and written communication must be provided to student's school counselor.

HOW DO I SELECT COURSES

Course selection 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 course selection sample forms will be distributed during the Panther Preview Preregistration night for incoming students on Wednesday, February 7 at 5:00 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

Review the courses listed and consult with your classroom teachers over course selections.

Review the curriculum guide and discuss your course selections with your parents/guardians.

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:

The course to be added is needed for graduation this year.

Computer error.

The student already has a credit in this course.

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.

Course Selection Calendar

January-March	Counselors meet individually with students to complete their course selection.
February 7 @ 5:00	Panther Preview (5:30 p.m.) for incoming 9th/new students. More info to come!
March 8	Course selection for incoming 9th grade students is online and should be submitted by March 8

*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.



EARN YOUR ASSOCIATES OF ARTS DEGREE AT CROOMS

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 earn their general education credits while in high school, and begin at a college or university as a junior.

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 semesters of 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 or Physical Education 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 Friday, May 3, 2024.
 - **PERT Scores required for AA Pathway by end of sophomore year: Reading 106; Writing 103; Math 123**
- 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 Friday, May 3, 2024.
- To be eligible, students must have a passing score on the Algebra 1 EOC and the 10th grade FAST 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.

EARN YOUR ASSOCIATES OF ARTS DEGREE AT CROOMS

Preparation Year Courses			
<i>*specific courses are not required but highly recommended. Honors courses are recommended</i>			
9 th Grade		10 th Grade	
English I	1.0	English II	1.0
Math (Algebra, Geometry, Algebra II)	1.0	Math (Geometry, Algebra II, Precalculus)	1.0
Science (Biology, Chemistry)	1.0	Science (Chemistry, *AP Biology)	1.0
World History (*AP option)	1.0	US History (*AP option)	1.0
Digital Information Technology	1.0	PE/Personal Fitness or World Language	1.0
DE Technology Elective - Semester 1	3 credits	*CET1179 Network Concepts – Semester 1	3 credits
DE Technology Elective - Semester 2	3 credits	*CET1178C Network Maintenance–Semester 2	3 credits
DE Technology Elective - Semester 1	3 credits	DE Technology Elective - Semester 1	3 credits
DE Technology Elective - Semester 2	3 credits	DE Technology Elective - Semester 2	3 credits
Subtotal: 12 college credits		Subtotal: 12 college credits	
SCVS Summer School			
World Language I or PE/Personal Fitness	1.0	World Language II or PE/Personal Fitness	1.0
Official AA Pathway Courses			
11 th Grade – Semester 1		11 th Grade Semester 2	
*ENC1101 English 1	3 credits	*ENC 1102 English 2	3 credits
*MAC1105 College Algebra (or higher math course)	3 credits	*STA 2023 Statistical Methods 1 (or higher math course)	3 credits
*BSC2010C General Biology 1	3 credits	*POS2041 U.S. Federal Government	3 credits
*DE Technology Elective	3 credits	*DE Technology Elective	3 credits
Subtotal: 12 college credits		Subtotal: 12 college credits	
12 th Grade – Semester 1		12 th Grade Semester 2	
*2 nd General Science w/ Lab	3 credits	*SPC1608 Speech Communications	3 credits
*ECO 2013 Principles of Economics MACRO	3 credits	*G.E. Humanities–Area A or B	3 credits
*Core Humanities	3 credits	*AMH2020 US History 1865 to Present	3 credits
*DE Elective	3 credits	*DE Technology Elective	3 credits
Subtotal: 12 college credits		Subtotal: 12 college credits	

college level courses in bold

*indicates required course

For more information, contact:

Crooms AOIT

Adriana Teague

407-320-5718

Adriana_teague@scps.k12.fl.us



GENERAL EDUCATION COLLEGE COURSE 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
THE2000- Theatre Appreciation	LIT2000- Intro to Literature
MUL2120 Music Appreciation	ARH1000- Art Appreciation

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

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 FAST ELA 10th grade exam and a cumulative unweighted 3.0 GPA.

When should I take the PERT?

You will need college ready PERT scores by Friday, May 3, 2024 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.

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 D 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 FAST ELA PM3 scores, and a cumulative unweighted 3.0 GPA. *HOWEVER* to minimize your work load as an upperclassmen and maximize your chance of successfully completing the program, we highly recommend students complete 4 semesters of dual enrollment electives by the end of 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 through Direct Connect?

Students graduating from high school are required by the universities to apply as a First Time Freshman 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.

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 QR codes 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.

Class of 2025



Class of 2026



Class of 2027



Class of 2028



CROOMS REQUIREMENTS

FOR GRADUATION

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

- 26 Credits
- Passing Score on the FAST ELA10 & EOC Algebra I
- 2.0 unweighted Grade Point Average
- Completion of Required IT Courses
- Required for the Class of 2027 and beyond:
 - An IT certification OR a C or Higher in a dual enrollment technology course
 - Personal Financial Literacy Course

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

Subject	Credits
English	4
Science	4
Mathematics	4
Social Studies (World History, US History, American Government (0.5) & Economics (0.5))	3
Personal Fitness	0.5
Personal Financial Literacy	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 th grade)	1
Technology Elective of Choice (10 th - 12 th grade)	1
World Language suggested for college bound students (optional)	2
Additional Course Assessments: Geometry EOC: 30% of course grade Biology EOC: 30% of course grade US History EOC: 30% of course 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 I taught at the middle school or taken in high school--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.

HOW DO I EARN COLLEGE CREDIT?

	Advanced Placement	Dual Enrollment
Entrance Requirements	Pre-requisite coursework if applicable.	2.5 unweighted cumulative GPA; 3.0 unweighted cumulative 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 World History AP United States History AP U.S. Government & Politics AP Biology AP Environmental Science AP English Language AP English Literature AP Calculus AB AP Statistics AP Pre Calculus	Academic & Technology Dual Enrollment Courses

*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 Pathway students will take 12 credit hours Dual Enrollment per semester.

FLORIDA BRIGHT FUTURES SCHOLARSHIP PROGRAM

*Subject to change with legislation

	Florida Academic Scholars Award	Florida Medallion Scholars Award	Florida Gold Seal Vocational Scholars*
2024-25 Award Amounts	4 Year/Semester Hour Award 100% *To a public institution	4 Year/Semester Hour Award 75% *To a public institution	Career Certificate \$39.00
	2 Year/Semester Hour Award– \$63.00	2 Year/Semester Hour Award– \$63.00	Applied Technology Diploma \$39.00
			Technical Degree Education \$48.00
Weighted GPA	3.5	3.0	3.0 cumulative with a 3.5 in 3 program courses
Required Credits	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
			1 Physical Education
Community Service/Work Hours*	100 Community Service OR 100 Work Hours OR 100 Hours combined	75 Community Service OR 100 Work Hours OR 100 Hours combined	30 Community Service OR 100 Work Hours OR 100 Hours combined
Test Scores	Class of 2025 SAT = 1340 or ACT = 29	Class of 2025 SAT = 1210 or ACT = 25	Class of 2025 ACT Scores Reading 19 English 17 Math 19 or SAT Scores Reading 24 Writing and Lang 25 Math 34 or PERT Scores Reading 106 Writing 103 Math 114

* 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 on the Florida Bright Futures website: <https://www.floridastudentfinancialaids.org>

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 indicates the quality points each grade carries for both types of GPA.

Letter Grade	Quality Points	Quality Points	Quality Points
	Unweighted	Honors	DE & 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:

- Grade point averages are weighted and include all courses for which a letter grade is given.
- Any grade lower than a "C" automatically disqualifies a student.
- 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 10th grade Reading FAST.

Concordant scores are as follows:

- Algebra I - PSAT/NMSQT 430, SAT 420, ACT 16, CLT Quantitative Reasoning II, FSA Geometry Level 3 or higher (scale score 499)
- FAST ELA 10 - SAT ERW 480 or ACT an average score of 18 on English & Reading Subtests, CLT Verbal Reasoning and Grammar/Writing Section Sum 36 (may be super scored).

CREDIT RECOVERY INFORMATION

Purpose

SCPS grade/credit recovery programs have been designed to assist students who have fallen behind their cohort due to previous retention, course failure, and/or loss of credit. The purpose of the SCPS Grade/Credit Recovery program is to give motivated students the opportunity to graduate with their cohort. The principal or designee must approve enrollment in the programs listed below. Competency Based Education (CBE)/Credit Recovery Programs have been developed and implemented as components of the dropout prevention efforts of Seminole County Public Schools. The intent of CBE is the mastery of course content objectives. Specific course credit is awarded when students demonstrate competency of the intended learning outcomes and the performance standards for the course.

Programs

Credit Recovery programs may include, but are not limited to:

Summer School: Students who are behind in credits or have a "D" or "F" in an academic course are permitted to enroll in summer school. Seminole County Virtual School options are also available for credit recovery.

Additional Program Requirements:

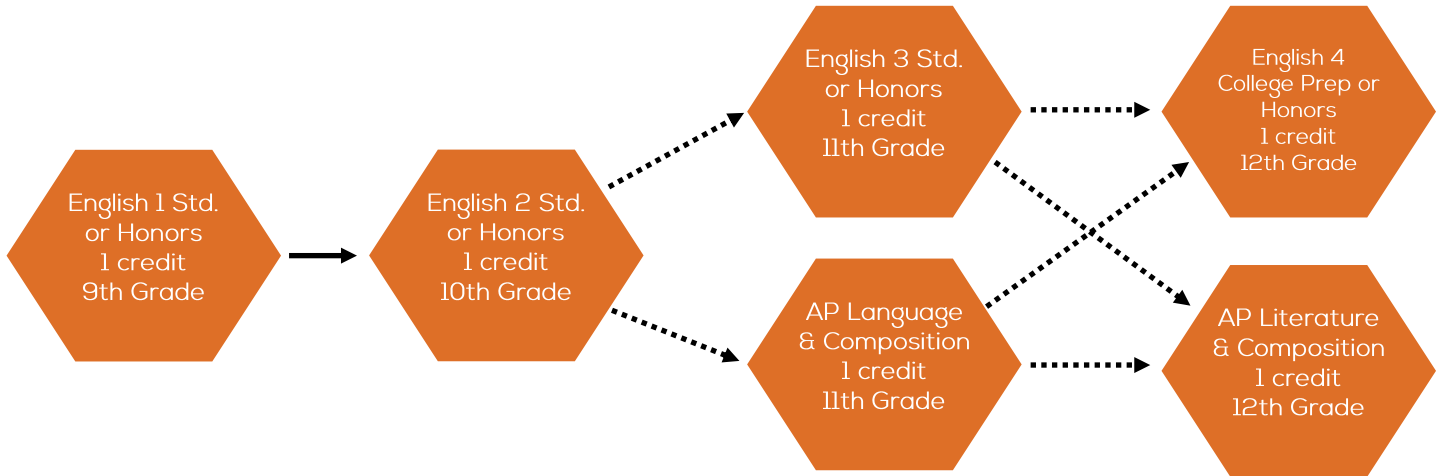
- (1) Students not making adequate progress in the Credit Recovery courses may be dismissed from the Credit Recovery program.
- (2) Seniors who fail a second semester course that is a graduation requirement may not begin the Credit Recovery course until Summer School.
- (3) In order to participate in the graduation ceremony, seniors must have earned a diploma or a Certificate of Completion. All coursework, including Credit Recovery and Virtual School, must be completed no later than one week prior to graduation

CROOMS ACADEMIC COURSES

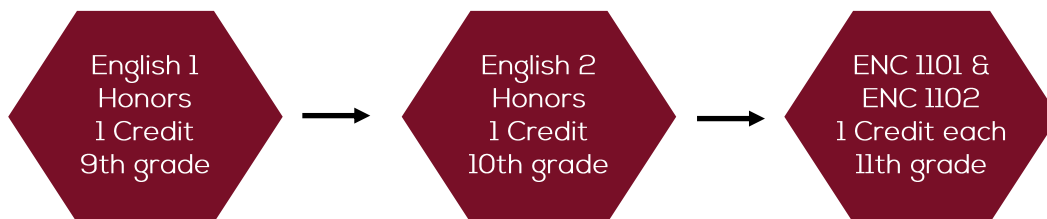


LANGUAGE ARTS

Traditional Track



AA Pathway Track



→ Indicates required progression

-----> Indicates optional progression

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 FAST power benchmarks as assessed on the 9th grade FAST reading test. These strategies will be used to enhance higher level thinking skills. ** All students testing below grade level (levels 1&2) on the 8th and 9th grade FAST 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 FAST Writing exam and FAST Reading exam. Students in this course can expect outside reading and writing assignments.

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 FAST power benchmarks as assessed on the 9th grade FAST 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 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. SAT and college preparation become more focused. ** All students testing below grade level (levels 1&2) on the 9th and 10th grade FAST test will also be placed in an Intensive Reading class.

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 FAST Writing exam and FAST Reading.

** All students testing below grade level (levels 1&2) on the 9th and 10th grade FAST 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. Students in this course can expect outside reading and writing.

LANGUAGE ARTS

English IV FL College Prep Graduation Requirement 1001405

1 Credit

Grade 12

Placement in this course is required for students requesting a 12th 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.

AP English Language & Composition Fulfills 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.

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 Literature & Composition Fulfills 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

Students in grades 9 and 10 who do not meet the requirements for satisfactory performance in English on FAST, 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

9th 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 FAST 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. Placement is based on previous FAST level and other individual assessments.

10th 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 FAST. 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. This program is wide-ranging; building fluency, vocabulary and comprehension. Placement is based on previous FAST level and other individual assessments.

11th/12th Grade Intensive Reading

1 credit

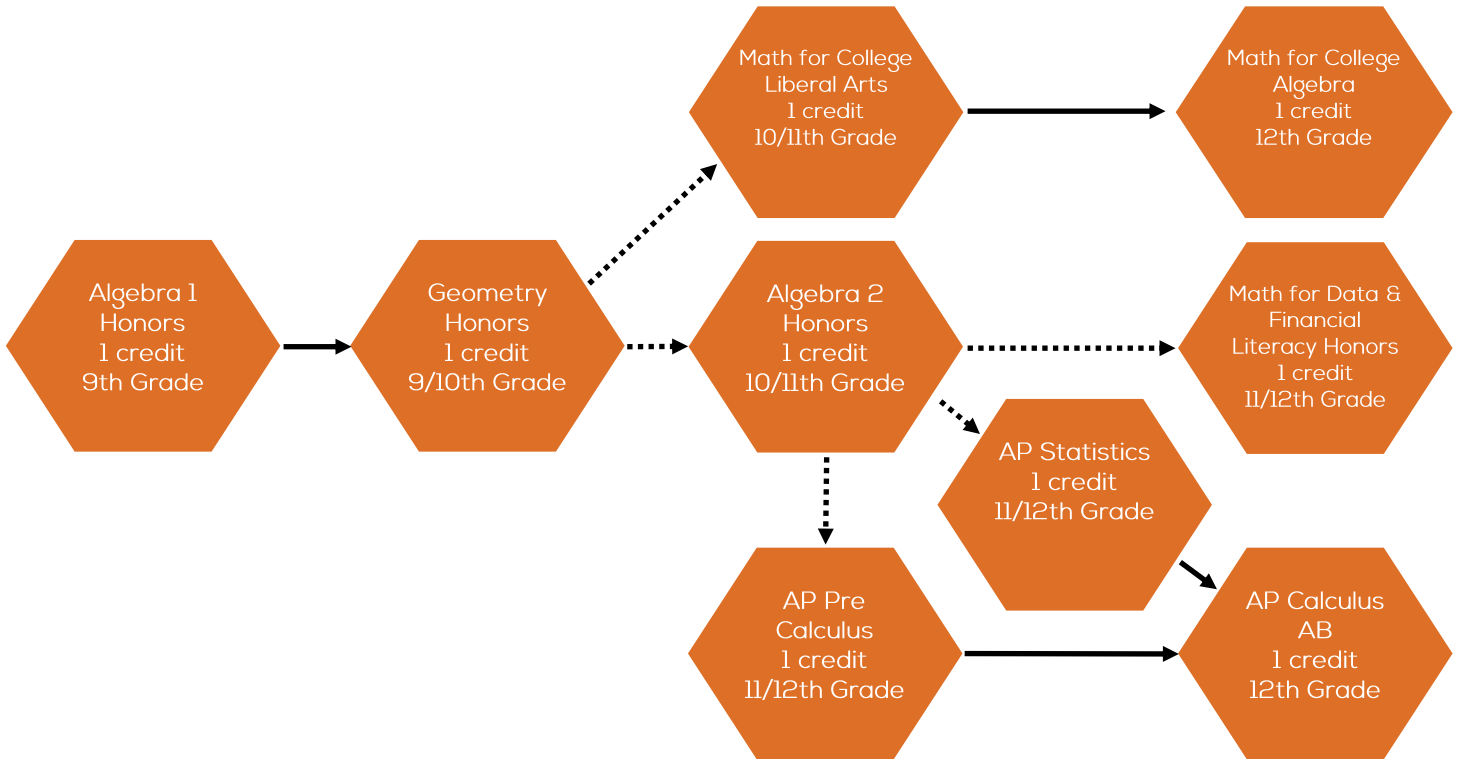
Grade 11/12

This course is created for fluent readers who need a less intense level of support of literacy skills necessary to pass FAST 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 FAST retake in the fall and ACT and SAT prep in the spring. Placement is based on previous FAST level and other individual assessments.

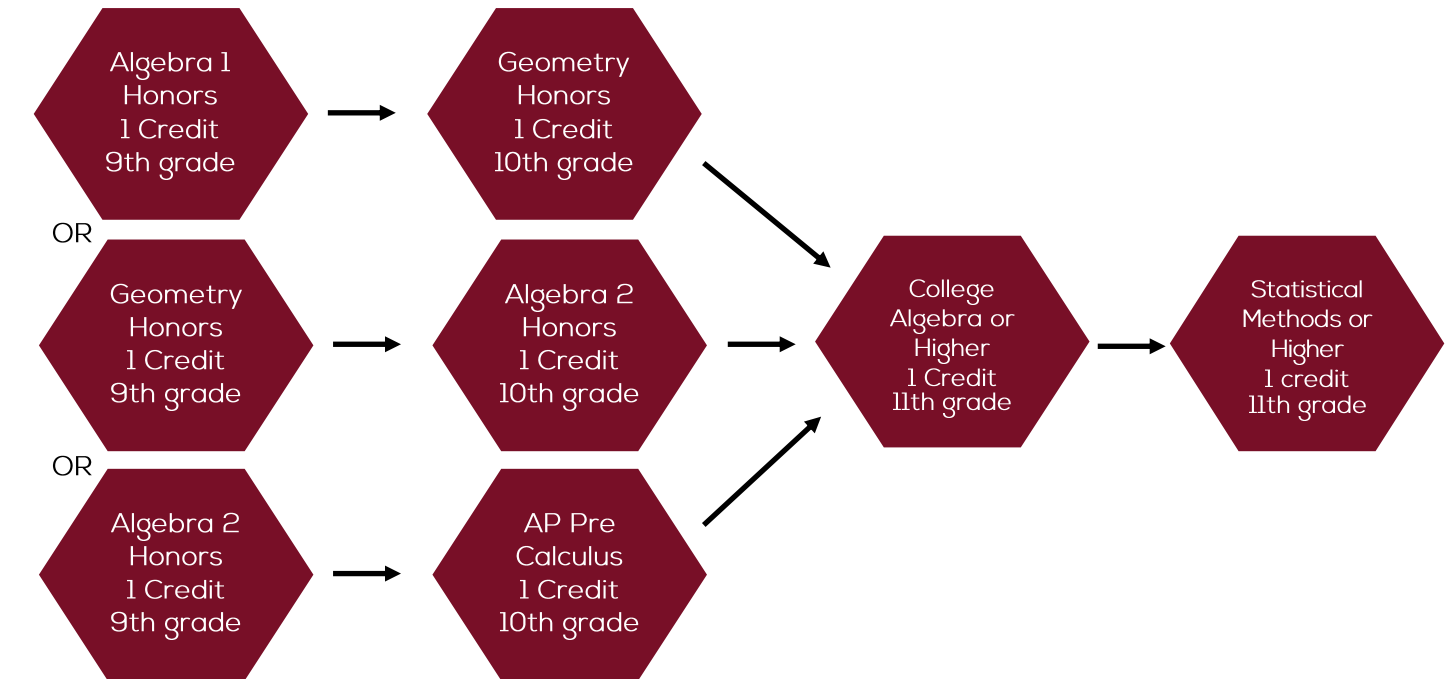


MATHEMATICS

Traditional Track



AA Pathway Track



→ Indicates required progression

⋯→ Indicates optional progression

MATHEMATICS

Foundational Skills in Mathematics

By Placement Only

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

Algebra I Honors

Graduation Requirement

1200320

Prerequisite: 8th 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 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.

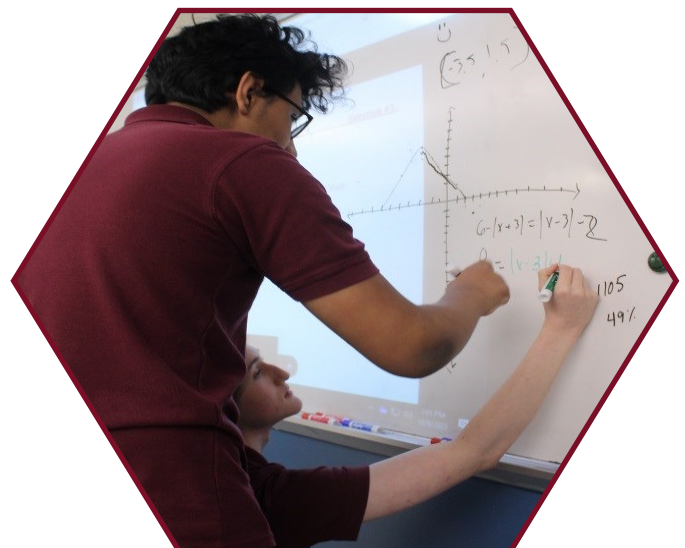
AP Pre-Calculus

Prerequisite: Algebra II Honors

1 Credit

Grades 9-12

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.



MATHEMATICS

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.

AP Calculus AB

1202310

Prerequisite: Pre-calculus

1 Credit

Grade 10-12

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

Prerequisite: Algebra II Honors or

Math for College Liberal Arts

1 Credit

Grade 11-12

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 long-term 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 11-12

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.

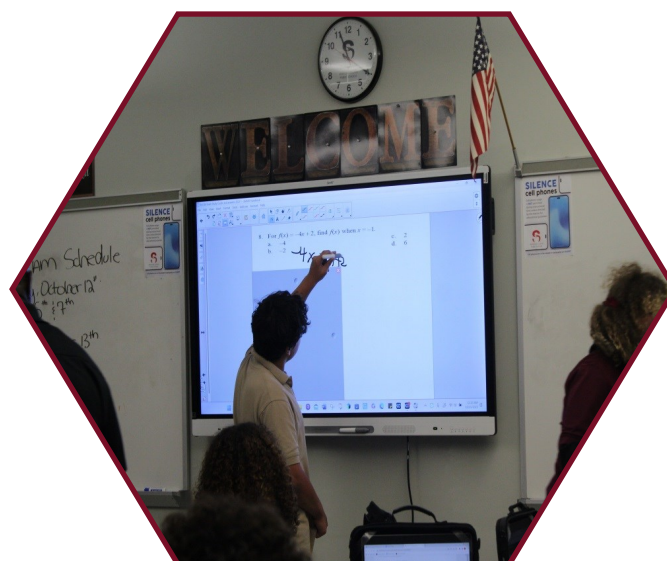
Math for College Algebra

1200710

1 Credit

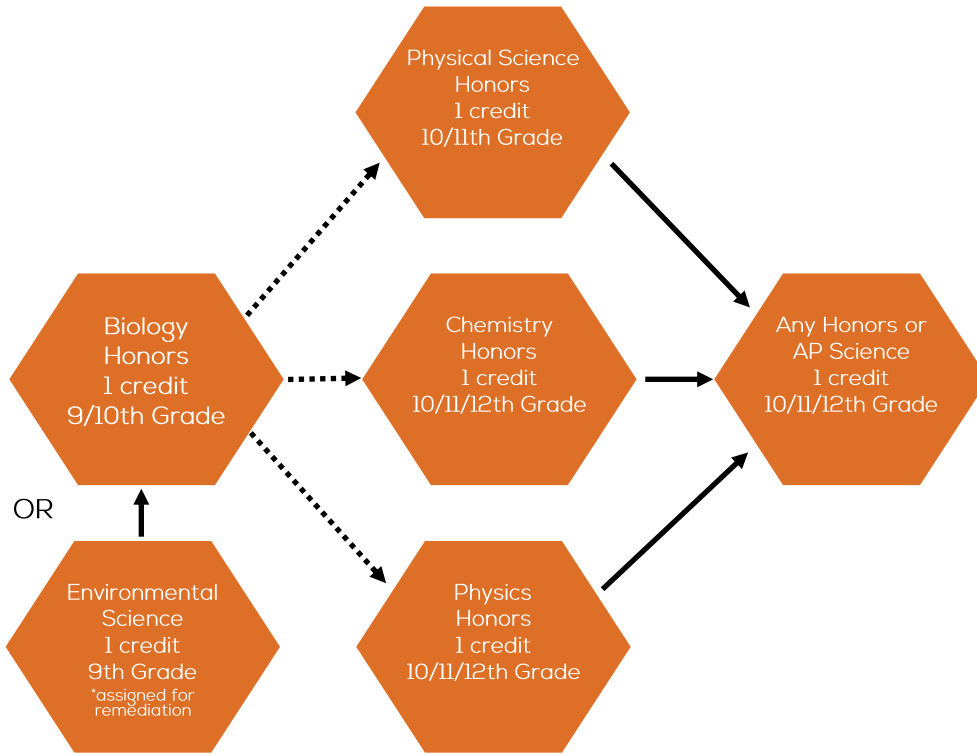
Grade 12

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

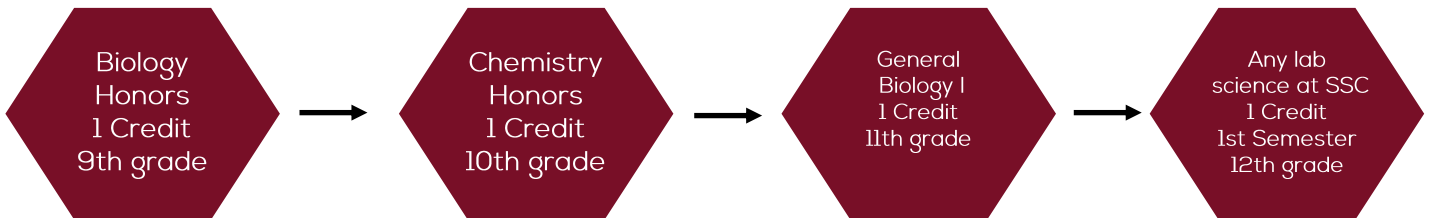


SCIENCE

Traditional Track



AA Pathway Track



→ Indicates required progression

⋯→ Indicates optional progression

SCIENCE

Environmental Science

By Placement Only

2001340

1 Credit

Grade 9

Environmental Science 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.

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.

Experimental Science I Honors

1700300

1 Credit

Grade 9 - 12

Experimental Science is designed for self-motivated and inquiring science students interested in producing an original research project. This course requires significant time and effort inside and outside of class. Students will develop research questions suitable for scientific research competitions and possibly publication. Participation in the SCPS Regional Science Fair is mandatory; students will be expected to design and perform original research, record the research process, and analyze the results of their investigation, and write a research paper and produce a scientific poster to present their findings. Students may need to travel from campus to local research laboratories to conduct research.

Physical Science Honors

2003320

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 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.

SCIENCE

AP Biology 2000340

Prerequisite: Biology & Chemistry

**offered in alternating years, 2024, 2026, 2028*

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.

Marine Science I Honors 2002510

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.

AP Environmental Science 2001380

Prerequisite: Biology & Chemistry

**offered in alternating years, 2025, 2027, 2029*

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.

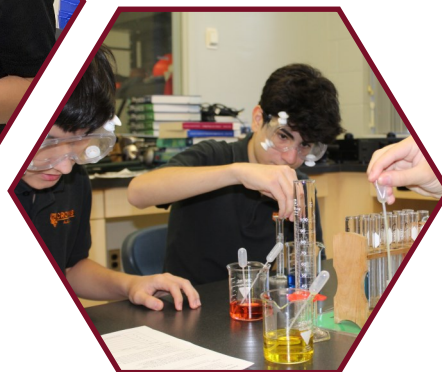
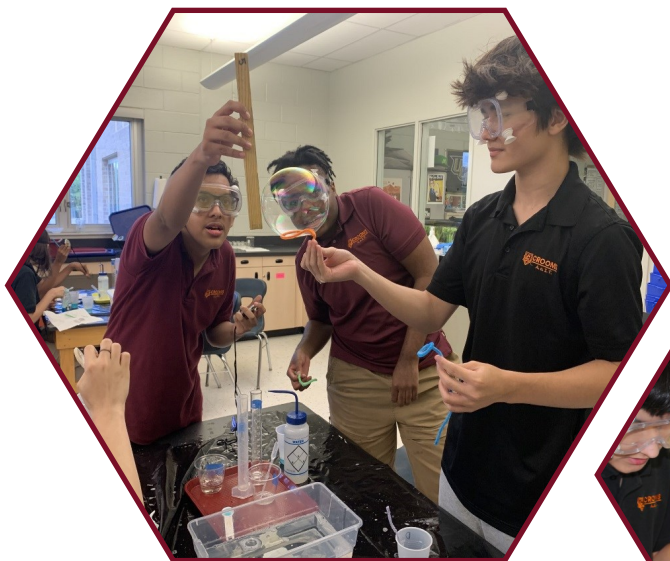
AP Physics I 2003421

Prerequisite: Biology & Algebra II

1 Credit

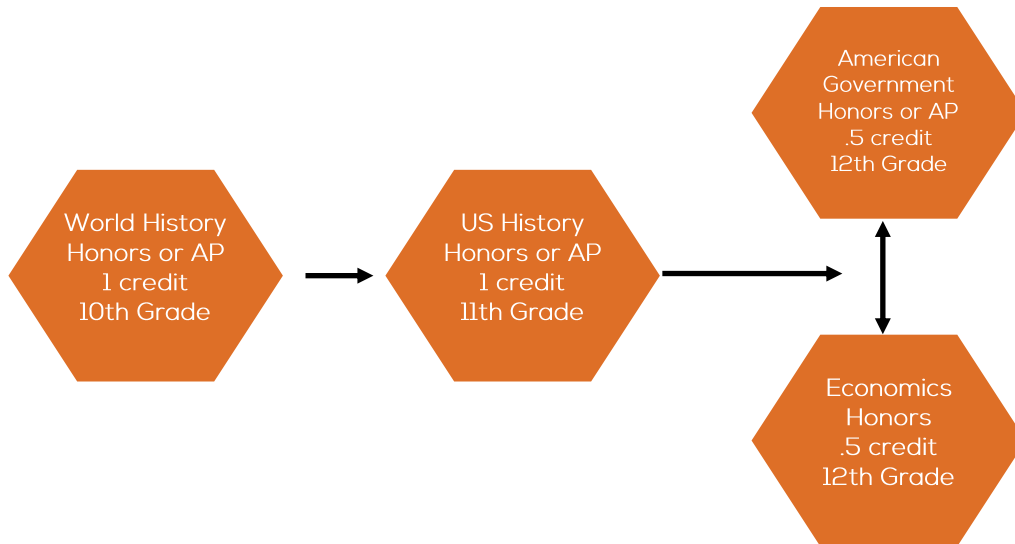
Grades 11-12

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.

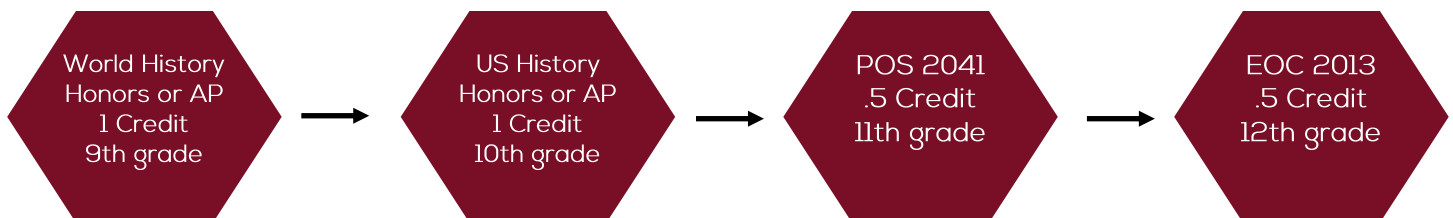


SOCIAL STUDIES

Traditional Track



AA Pathway Track



→ Indicates required progression

.....→ Indicates optional progression

SOCIAL STUDIES

World History Honors Graduation Requirement

2109320

1 Credit

Grades 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. The course will put a strong emphasis on using content to reinforce reading skills and 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 9th grade.

AP World History: Modern Fulfills Graduation Requirement

2109420

1 Credit

Grade 10**

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 years 1200 to present, covering of the global experience building on the understanding of cultural, institutional, and technological precedents that along with geography. There will be a strong emphasis placed on argumentative writing skills in AP.

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

United States History Honors Graduation Requirement

2100320

1 Credit

Grade 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. This course will put a strong emphasis on using content to reinforce reading skills and will focus on research and writing methods to further deepen historical analytical skills.

AP United States History Fulfills Graduation Requirement

2100330

Prerequisite: World History

1 Credit

Grade 11**

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. There will be a strong emphasis placed on argumentative writing skills in AP.



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.

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 critically and objectively review foundation, structures, and functions of American government. Emphasis is placed on content and interpretation of the Constitution, federalism, 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 decision making, 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 Government and Economics**

Social Studies Elective

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.

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.

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



FINE ARTS

Chorus

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.

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 (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.

Theatre

0400320 (Year 1), 0400330 (Year 2)

1 Credit

Grades 10-12

Learn all the ins and outs of theater, from front to back of house! Get a background in all the basics of what it takes to put on a theatrical production. Acting! Sets! Props! Costumes! We will be using actual Crooms productions and theoretical productions to practice our skills. In more advanced classes you will begin to gain more and more creative responsibility and take on leadership roles. Advanced students will also work on small group pieces with opportunities for competing.

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



PERSONAL LIFE SKILLS

Personal Financial Literacy Honors 2102373

***Required for Class of 2027 and beyond**
.5 Credit Grade 10-12

The primary content for the course pertains to the study of learning the ideas, concepts, knowledge and skills that will enable students to implement beneficial personal decision-making choices; to become wise, successful, and knowledgeable consumers, savers, investors, users of credit and money managers; and to be participating members of a global workforce and society.

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. Students will have the option for a pass/fail grade. Those interested in this option please fill out the form at the following link: <https://forms.gle/OrTJxPJkXfGcBxSQ7>

Leadership Skills Development
2400300 (Year 1), 2400310 (Year 2),
0500520 (Year 3)

Prerequisite: completed 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. Students will have a pass/fail grade option. Applications are available on the school website and due before Spring Break



Driver Education - Blended Course 1900310

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

.5 Credit Grades 9-12

This course will cover basic vehicle operation and procedures, negotiating intersections, right of way, driving in various weather situations, emergency situations, driving under the influence, distracted driving, vehicle maintenance, collision follow up, highway driving, parking, purchasing a vehicle, insurance, and unique driving situations. This is a limited enrollment, pass/fail course, which will include classroom and lab (behind the wheel) instruction. Part 1 - Online component in a self-paced, eCampus course. Students are given a deadline to complete the eCampus course. Upon completion by the deadline, they are eligible for Part 2. Part 2 - 6 hours of behind the wheel, one on one, driving lessons with the Florida Safety Council in 3 two-hour sessions. SCPS does not participate in the DELAP program. Students must still pass the test with the DMV Driver's License office. Students do receive a certificate that some insurance companies recognize for a discount.

Drivers Education - Seminole County Virtual School 1900300

Prerequisite: 14 years old

.5 credit Grades 9-12

This is an online course which prepares students to pass the written exam for the Florida Learner's Permit. Once the students complete the course, they take the written test for the learner's permit online in lieu of taking it at the DMV. The vision and hearing tests must be taken at the DMV. Students have up to one year to complete the permit exam. This is an online course that will take approximately 12 weeks to complete.

Pass/Fail Request Form



PHYSICAL EDUCATION

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
English	4	4	English I	English II	English III AP Lang. & Comp	English IV AP Lit. & Comp
Math	4	4	Algebra I Geometry Algebra II	Geometry Algebra II AP Pre Calc	Algebra II AP Pre Calc AP Calc AB AP Stats MCLA Math for Data	Algebra II AP Pre Calc AP Calc AB AP Stats MCLA Math for Data
Science	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
Social Studies	3	3		World History AP World History: Modern	United States History AP American History	US Govt/ Economics AP US Govt/ Hon. Economics
Physical Education	.5 .5	.5 .5	Physical Ed. Personal Fitness			
Personal Financial Literacy*	.5					
Fine Arts	1	1	Digital IT			
World Language		2	Spanish I or II Virtual World Language Course	Spanish I or II Virtual World Language Course	Spanish I or II Virtual World Language Course	Spanish II or Virtual World Language Course
IT Elective (Required)	2	2	Digital IT	Network Concepts/ Network Computer Manit. & Repair		
IT Elective See course description for options	7	5				
Elective						
Total	26	26	/7	/7	/7	/7

*Starting with the Class of 2027, students are required to take Personal Financial Literacy

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
 *For example, Science- Biology or Biology Honors or AP Biology

English	
Math	
Science	
History	
Elective	
Elective	
Elective	

Things to Know

9th Grade

*Digital Information Technology is required for all students
 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 in the future
 Students have 4 years to meet graduation requirements & will need to utilize virtual school and summertime to recover lost credits.
 Utilize homeroom period for tutoring and homework completion.

10th Grade

CET1178C/1179 is required for AA Pathway potential students
 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 homeroom for tutoring and homework completion.
 Participate in internship opportunities. Attend the fair held in April

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
 Participate in internship opportunities. Attend the fair held in April

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.

VIRTUAL SCHOOL



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 Florida Virtual School franchise that 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.scv.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 levels; H = honors class

Math:

Algebra I*, Geometry*, Algebra II*, Pre-Calculus (H), Calculus (H), AP Calculus AB, AP Calculus BC, AP Statistics, MJ Math Suite, Probability and Statistics Honors, AP Statistics, Math for Data and Financial Literacy, Math for College Liberal Arts

Language Arts:

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

Social Studies:

World History*, AP World History, U.S. History*, AP U.S. History, Economics*, AP Macroeconomics, AP Microeconomics, U.S. Government*, AP U.S. Government, AP Human Geography, Psychology, Law Studies

Sciences:

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

World Languages:

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

Electives:

Many options, including Journalism, Personal Fitness/Fitness Lifestyle Design, Art, Guitar, AP Art History, AP Computer Science Principles, Driver's Ed, Hospitality & Tourism Management, Procedural Programming, and much more! See the website for a complete list.

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



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

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. SCVS also has an articulation agreement with Seminole State College where students may transfer with up to 12 credit hours.

Please note that participation in the SCVS Hospitality and Tourism Management program can be completed while co-enrolling in ANY high school in Seminole County!



AFTER-SCHOOL COURSES

SCPS offers several after school Career and Technical Education (CTE) courses for high school credit.

Courses in Applied Robotics, Automotive, Culinary, Maintenance and Light Repair, Aviation, Cosmetology, Electrical, HVAC, Welding, and Technical Design will be offered for the 24-25 school year*

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.

SCAN OUR QR CODE TO VIEW OUR DETAILED CTE AFTER SCHOOL COURSE GUIDE





EDUCATIONAL
e pathwavs[™]
SEMINOLE COUNTY PUBLIC SCHOOLS

On Time Application
Period opens

FEBRUARY 1,
2024

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.






	ACADEMY OF ADVANCED LEARNING TECHNOLOGIES (C)	Hagerty High School	The Academy of Advanced Learning Technologies includes programs related to artificial intelligence, modeling & simulation, and computer science. Students participating in one or more of the academy programs will have opportunities to earn industry certifications that will promote post-graduation success in the industry, college/university, and/or military.
	ACADEMY OF FINANCE (C/D)	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.
	CULINARY (C)	Lake Howell High School	The Culinary Arts Program allows students to explore all facets of the culinary field, including entrepreneurship, in an industry-standard commercial kitchen. This program includes industry certification.

C = Program Includes the Potential
for Industry Certification

D = Program Includes the Potential
for Dual Enrollment Credits

P = Pre-Apprenticeship Opportunity

Apply at [HTTPS://SCPSFLC.SCRIBORDER.COM](https://scpsflc.scribborder.com)

	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/P)	Seminole High School	There are two programs in the academy: the Aviation Maintenance program begins with the FAA Private Pilot Ground School course and certification. The Avionics Systems program introduces students to the high-tech electronics systems aboard an aircraft. Students in each program have access to a pre-apprenticeship training program that provides unique skills-based instruction usually available only to high school graduates in workforce programs.
	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 (C/D)	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 the Potential for Industry Certification

D = Program Includes the Potential for Dual Enrollment Credits

P = Pre-Apprenticeship Opportunity

Apply at [HTTPS://SCPSFLC.SCRIBORDER.COM](https://scpsflc.scriborder.com)



DID YOU KNOW?

Our students have the advantage of premier experiences in SCPS, like Advanced Placement, Dual Enrollment (Academic and Career), Industry Certification, International Baccalaureate (WSHS and SHS), or two years of ROTC and taking the ASVAB exam?

BEFORE SIGNING THE REGISTRATION CARD ASK YOUR CHILD...

? *What premier experience is planned in your schedule next year?*

? *How do the courses you selected prepare you for*

WHAT'S  | Enrollment



WHAT'S  | Enlistment

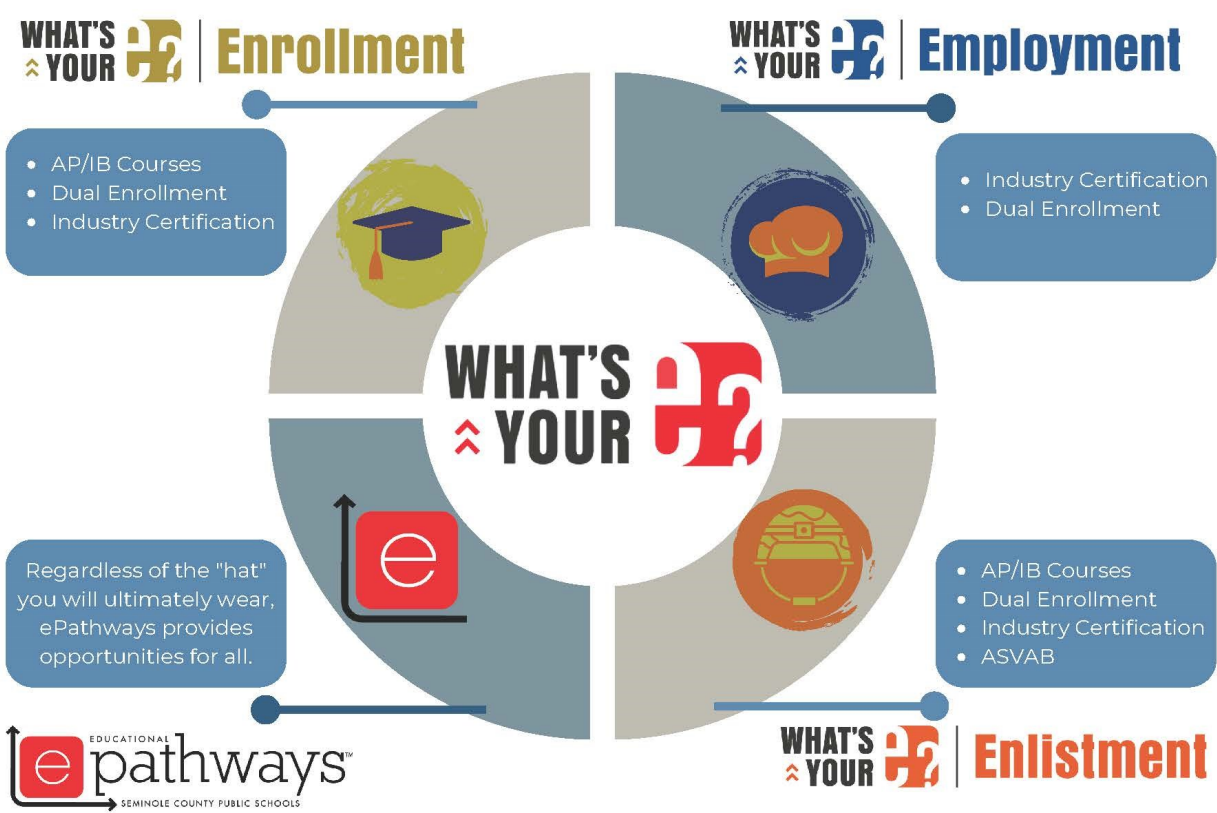
WHAT'S  | Employment



or any combination of the three?

These two questions support your child in earning a meaningful diploma as they acquire the knowledge, skills, and attitudes to be productive citizens with high-skill, high-wage careers.

Do you have questions? Contact your school counselor for more information.



*In order to provide equitable access to a premier education for ALL students and increase high school College and Career Acceleration to 100% at every Seminole County high school beginning with the Class of 2025, students must be provided with opportunities for advanced coursework and career-based opportunities that will ensure future success regardless of their chosen pathway.



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.

