COURSE & PATHWAY
DESCRIPTIONS

WARRIOR ACADEMY
TECHNOLOGY • INNOVATION • PERSONALIZATION

APPLIED CYBERSECURITY PATHWAY COURSES

Computer and Network Fundamentals
Cybersecurity Essentials
Operational Cybersecurity

APPLIED CYBERSECURITY

The Networking and Cybersecurity Pathway is a four year pathway offering the opportunity for students to expand their knowledge in the fields of computer science and computer engineering. The networking course is designed to provide students with an understanding of computer networking skills, including the OSI layers, parts of the computer and how computers interact with each other. Coursework will include designing your own local area network to working on a mini lab trying to fix a problem, in addition to providing an understanding of basic computer components, their functions, and their operation as they pertain to cyber-security.

The cyber security course is designed to provide students experience in designing systems that protect from cyber-attacks. Students will demonstrate the ability to detect and resolve vulnerable systems and encryption and decryption of valuable information. Finally we learn how to configure systems to guard against cyber intrusion. The industry certifications provided in this pathway are the Microsoft Technology Associate Networking Fundamentals and Security Fundamentals are available for students to take to test their knowledge. This program offers many opportunities for students

COMPUTER AND NETWORK FUNDAMENTALS

The Computer and Network Fundamentals course introduces students to cybersecurity and provides them with essential computer and networking knowledge and skills, particularly those related to cybersecurity.

CYBERSECURITY ESSENTIALS

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

OPERATIONAL CYBERSECURITY

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

For a complete description of each course, see the OFHS Curriculum Guide, which is found on the school website.

PERSONALIZED LEARNING

CREATING A LASTING SHIFT IN LEARNING

Pinellas County Schools has launched Pinellas Innovates: Pathways to Personalized Learning, a long-range plan to personalize learning throughout the district.

Personalized Learning is tailored to what when, where and how students learn best. It enables students to take ownership of their learning and helps them to develop deep connections with each other, their teachers and other adults.

Pinellas Innovates will transform what the district is doing in schools on a daily basis. Instruction will move beyond a one-size-fits-all approach. Learning will be paced to each student's individual needs.

Pinellas Innovates
Pathways to Personalized Learning

VISION

Pinellas County Schools envisions a student-centered culture for learning that connects instruction, curriculum, and outcomes to the unique talents, skills, passions and attributes of each child while recognizing individual needs.

STUDENT VOICE & CHOICE!

CLUBS

Future Business Leaders of America (FBLA) is the largest student business organization in the country with over 250,000 members. FBLA is the premiere student organization that aligns with all Warrior Academy courses. In Florida, FBLA functions as an integral part of the instructional program of the business education program in secondary schools.

NLC National Winners   Fall Motivational Rally

Students involved in FBLA participate in a variety of competitions, community service projects, fundraisers, and networking events throughout the year.

NTHS helps members with their achievements in the workforce, offers scholarships for higher education, and teaches excellence in career and technical education. NTHS strives to bring well deserved recognition, scholarship opportunities, and career opportunities to students who excel in various career and technical educational fields as their profession.

National Technical Honor Society

STN Student Television Network

STN was started by a group of teachers who wanted to support and encourage scholastic broadcasting and to provide a forum for teachers to share ideas, ask questions, and learn from professionals in the industry. Over the past 15 years, STN has expanded to include film, media and other forms of communication taught in high schools and middle schools. STN serves teachers and students with curriculum, communication and competitions year-round.

CERTIFICATIONS

MICROSOFT OFFICE SPECIALIST/EXPERT

Word ~ Excel ~ PowerPoint
Outlook ~ Access

ADOBE CERTIFIED ASSOCIATE

Dreamweaver ~ Photoshop
Illustrator ~ InDesign ~ Flash

MICROSOFT TECHNOLOGY ASSOCIATE

MTA Networking Fundamentals +
MTA Security Fundamentals +
CompTIA Security Plus

APPLE

Final Cut Pro

Students have the opportunity to earn various industry certifications throughout all pathways.

OSCEOLA FUNDAMENTAL HIGH SCHOOL

WARRIOR ACADEMY
TECHNOLOGY ☙ INNOVATION ☙ PERSONALIZATION

APPLIED
CYBER SECURITY