Applied Cybersecurity
(PROGRAM #9001300)

The Applied Cybersecurity pathway covers the tools and systems used to monitor, mitigate, and prevent online threats. Cybersecurity professionals use innovative technology to combat hackers, cyberterrorists, network outages, and other technical problems that compromise network security.

Students in this pathway will participate in the following Career Technical Student Organization(s) (CTSO). FBLA, BPA

PROFESSIONAL CAREER CERTIFICATIONS*

Industry Certification Title	CAPE college credits	Graduation online course requirement	Math/Sci Waiver (non-EOC)
Cert Internet Web (CIW) Internet Bus Assoc.	N/A	YES	NO
Cert Internet Web (CIW) Network Tech Assoc.	N/A	YES	NO
(MTA)-Mobility and Devices Fundamentals	N/A	YES	NO
(MTA)-Windows OS Fundamentals	N/A	YES	NO
(MTA)-Networking Fundamentals	N/A	YES	NO
Certified Internet Web Security Associate	N/A	YES	NO
(MTA)-Security Fundamentals	N/A	YES	NO
Cisco Certified Entry Network Tech (CCENT)	N/A	YES	NO
Comp TIA Security+	6 credits	YES	YES
Comp TIA A+	3 credits	YES	YES
Comp TIA CSA+ (Cybersecurity Analyst)	TBD	YES	YES

POST SECONDARY OPTIONS

Options	Pathway	Career**	Avg. Salary**
COLLEGE / UNIVERSITY ENROLLMENT	Information Technology BS Cybersecurity BS Computer Information Technology AS	Cybersecurity Engineer Cybersecurity Architect Intelligence Ops. Analyst	$110,000 Approx. $80,000 Approx. $70,000
REGISTERED APPRENTICESHIP	N / A	N / A	N / A
WORKFORCE	IT Industry	Technical support IT service Sales associate	$18.00 / hr $16.37 / hr $10.09 / hr

COLLEGE SCHOLARSHIPS

Florida Gold Seal Vocational Scholars (GSV) Funds 2-year programs: Technical College certificate or State College degree	The Florida Gold Seal Vocational Scholars (GSV) can be used to fund a career education or certificate program at a Technical or State College. To earn this scholarship students must: • Complete 3 credits within a single pathway • 3.0 weighted core GPA • 3.5 unweighted GPA in the pathway courses • Minimum college ACT, SAT, or PERT scores Click here to see the full eligibility requirements: www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf
Florida Gold Seal CAPE Scholars (GSC) Funds a 2+2 bachelor's degree (BS or BAS)	The Florida Gold Seal CAPE Scholars award (GSC) can be used to fund a career education or certificate program. To earn this scholarship students must: • Pass Industry Certification exam(s) equaling 5 or more college credits & Document a minimum of 30 service hours Click here to see the full GSC eligibility requirements: www.floridastudentfinancialaid.org/SSFAD/PDF/BFHandbookChapter1.pdf Click here to see Industry Certification awarded college credits: http://www.fldoe.org/academics/career-adult-edu/career-technical-edu-agreements/industry-certification.stml

SCHOOLS OFFERING THIS PATHWAY

High Schools:	Boyd Anderson High Cooper City High Coral Glades High Coral Springs High Cypress Bay High Hallandale High South Broward High
Middle Schools:	Any school that offers the **Digital Information Technology** high school course

COURSE PROGRESSION

Course	Course #	Teacher Certification
Digital Information Technology	8207310	
Computer & Network Security Fundamentals (honors)	9001320	
Cybersecurity Essentials (honors)	9001330	BUS ED
Operational Cybersecurity (honors)	9001340	COMPU SCI
Applied Cybersecurity Applications (honors)	9001390	

CAREER PATHWAY OPPORTUNITIES

CTE pathways offer students opportunities to continue their education after high school. Dual Enrollment pertains to students taking college courses while enrolled in high school. Articulation agreements allow students to earn college credit for CTE courses and industry certifications earned in high school.

Workplace Experience	CTE students have the opportunity to complete a pre-professional learning experience the summer after 11th grade in their chosen field of study or career interest. www.browardschools.com/CTACE
Broward Technical Colleges	Students who have passed courses in a high school CTE program or earned an Industry Certification can apply those credits to the aligned postsecondary program. Contact a BTC Counselor for more information or follow the link to see how you can save time and money when you attend a Broward Technical College. http://www.browardtechnicalcolleges.com/articulation-agreement
Broward College	Students who complete a CTE pathway or earn an Industry Certification that aligns with Broward College's Associate of Science degree programs can earn FREE college credit. www.broward.edu/academics/cpl/pages/high-school.aspx

*Industry certifications offered may vary by school.
**Salary data collected from Indeed.com, 11/2017

CONTACT INFORMATION

Broward County Public Schools: Career, Technical, Adult and Community Education
754-321-8400   www.BrowardSchools.com   CTACE@BrowardSchools.com

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