NETWORK SYSTEMS TECHNOLOGY, ASSOCIATE OF SCIENCE - NETWORK SECURITY/CYBERSECURITY

Program Code: 2503B
Career Pathway: Science, Technology, Engineering, and Math

Location(s): Courses for this program are offered at all BC locations. (https://www.broward.edu/about/locations/)
Program Entrance Requirements: HS Diploma or GED

Program Description
The Network Systems Technology – Network Security / Cybersecurity Associate in Science degree, offered at the A. Hugh Adams Central Campus, prepares students for employment opportunities as Information Security Analysts. It is designed for students seeking the skills set needed to be successful in their careers as Computer and Information Systems Managers, Computer Network Architects, and Computer Systems Analysts.

a. Information Technology Support Specialist, Technical Certificate 6337
b. Information Technology Analyst, Technical Certificate 6338
c. Cybersecurity, Technical Certificate 6341
d. Network Systems Technology, Associate of Science - Network Security/Cybersecurity 2503B
e. Applied Bachelor of Science

<table>
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<th>Course</th>
<th>Title</th>
<th>Credits</th>
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Total Credits 57 18 27 30

Notes: Students should complete all Core Computing Requirements before completing specialization courses.

Students may choose from the program electives beginning with CET, CIS, COP, CTS, CGS, or ISM.

In addition to the courses marked, students must also complete additional credits, as applicable, to earn the corresponding Technical Certificate(s) as indicated above, to achieve the Total Credits listed above.

Students who took MAC1105C should choose one 4-credit course and one 3-credit course from the Program Elective list below. Students who did not take MAC1105C should choose three 3-credit courses from the Program Elective list below.

See General Education course information here (https://catalog.broward.edu/programs-study/aa-general-education-graduation-requirements/).
Students must satisfy the Digital Literacy requirement by testing out, completing a Credit for Prior Learning portfolio, or passing CGS1060C COMPUTER AND INTERNET LITERACY.

In accordance with Florida Statute and Florida Administrative Code, students may need to satisfy the Civic Literacy Graduation Requirement. Visit the Civic Literacy Graduation Requirement page at broward.edu/civic-literacy (https://students.broward.edu/resources/civic-literacy/).

Students are strongly encouraged to meet with an advisor (https://students.broward.edu/resources/advising/) to create a personalized educational plan.

**PROGRAM HIGHLIGHTS**

**CREDIT FOR PRIOR LEARNING**
Accelerate your path to completion with these options:

- Credit by exam
- Earned industry certifications
- Prior Learning Assessment
- And much more...

**RELATED INDUSTRY CERTIFICATIONS**
Upon completing this program, graduates will be eligible to sit for the following industry certifications/licenses:

CompTIA A+ | Network+ | Security+ | CCNA | AWS Cloud Practitioner | AWS Cloud Solutions Architect | Project+ | SSCP

**GET AN INTERNSHIP**
After completing your first year of coursework make sure to visit Career Services (https://broward.edu/career/) for internship opportunities and helpful tools like virtual job shadow, to help take your career to the next level!

- Get an Internship (http://broward.edu/studentresources/career/Pages/Find-a-job-or-internship.aspx)
- Virtual Job Shadow Tool (http://www.broward.edu/studentresources/career/Pages/default.aspx)

**MEDIAN WAGE AND JOB GROWTH OUTLOOK**
Broward College has Career Coach (https://www.broward.edu/careercoach/)! It is designed to help you find a good career by providing the most current local data on wages, employment, job postings, and associated education and training.

**FUND YOUR EDUCATION**
This program is Financial Aid (https://www.broward.edu/admissions/financial-aid/) eligible. Scholarships (https://www.broward.edu/admissions/financial-aid/scholarships/) may be available.

**Program Learning Outcomes**
Graduates from this program will:

- Configure IPv4 and IPv6 addressing, including but not limited to: configuring IP options, subnetting, supernetting, alternative configuration.
- Demonstrate the ability to read a routing table.
- Summarize the properties of a project and classify project roles and responsibilities.
- Demonstrate the ability to install and configure DNS servers.
- Implement VLANs and trunking in a switched network.
- Demonstrate the ability to configure and manage LAN-based security.