



# NETWORK SYSTEMS TECHNOLOGY, ASSOCIATE OF SCIENCE - NETWORK ADMINISTRATION

**Program Code:** 2503A

**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/>) This program is also offered fully online.

**Program Entrance Requirements:** HS Diploma or GED

**Program Description:** The Network Systems Technology – Network Administration Associate in Science degree, offered at the A. Hugh Adams Central Campus prepares students for employment opportunities as network administrators. It is designed for students seeking the skill set needed to be successful in their careers as Network Administrators.

1. Information Technology Support Specialist, Technical Certificate 6337
2. Network Infrastructure, Technical Certificate 6329
3. Network Server Administration, Technical Certificate 6335
4. Network Systems Technology, Associate of Science - Network Administration 2503A
5. Bachelor of Applied Science

Course	Title	Credits	6337	6329	6335
Course ENC1101	Title COMPOSITION I	Credits 3	6337	6329	6335
Course CGS1060C	Title COMPUTER AND INTERNET LITERACY	Credits 3	6337 X	6329	6335 X
Course GE Course	Title General Education Speech	Credits 3	6337	6329	6335
Course CTS1133C	Title A+ COMPREHENSIVE	Credits 4	6337	6329	6335 X
Course CTS1134C	Title NETWORK+	Credits 4	6337	6329	6335 X
Course GE Course	Title General Education Mathematics Core	Credits 3	6337	6329	6335
Course CTS1661C	Title CISCO CCNA1	Credits 4	6337	6329 X	6335
Course CTS2382C	Title WINDOWS SERVER ADMINISTRATION	Credits 3	6337	6329 X	6335 X
Course CIS1513C	Title PROJECT MANAGEMENT	Credits 4	6337	6329	6335 X
Course AMH2010 or AMH2020 or POS2041	Title HISTORY OF THE UNITED STATES TO 1877 or HISTORY OF THE UNITED STATES SINCE 1877 or NATIONAL GOVERNMENT	Credits 3	6337	6329	6335
Course CNT2111C	Title CISCO CCNA2	Credits 4	6337	6329 X	6335
Course CNT2112C	Title CISCO CCNA3	Credits 4	6337	6329 X	6335
Course COP1000C	Title INTRODUCTION TO COMPUTER PROGRAMMING	Credits 3	6337	6329 X	6335 X
Course GE Course	Title General Education Natural Science Core	Credits 3	6337	6329	6335
Course GE Course	Title General Education Humanities Core	Credits 3	6337	6329	6335

Course CTS2376C	Title MICROSOFT 365 ADMINISTRATOR	Credits 3	6337	6329 X	6335
Course Elective	Title Elective Course <sup>1</sup>	Credits 6	6337	6329	6335
Total Credits		60	6337 18	6329 21	6335 24

<sup>1</sup> See  
Program Electives below.

#### 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**.

Students who took MAC1105C should choose one 4-credit course from the Program Elective list below. Students who did not take MAC1105C should choose two 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/>).

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/) (<https://students.broward.edu/resources/civic-literacy/>).

## Program Electives

Course	Title	Credits
CTS2628C	CCNP ENTERPRISE: CORE NETWORKING	4
CTS2629C	CCNP ENTERPRISE: ADVANCED ROUTING	4
ISM3013C	INFORMATION SYSTEMS MANAGEMENT	3
CTS2375C	CLOUD+	3
CTS2126C	PENTEST+	4
CTS2120C	SECURITY+	4
CTS1111C	LINUX +	4
CET2688C	SYSTEM SECURITY PRACTITIONER (SSCP)	4
MAC1105C	COREQUISITE COLLEGE ALGEBRA	5
CIS2949	STEM IT INTERNSHIP (LOWER DIVISION)	3

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 Employment Solutions (<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:

- Graduates will implement VLANs and trunking in a switched network.
- Students will install and configure DNS servers.
- Students will configure and manage LAN-based security.
- Graduates will summarize the properties of a project and classify project roles and responsibilities.
- Students will be able to trouble shoot computer hardware issues, software issues, network issues, and be able to communicate well with clients, co-works, and document their work.
- Graduates will be able to configure IPv4 and IPv6 addressing. May include but is not limited to: configuring IP options, subnetting, VLSM, and alternative configuration.
- Graduates will be able to read a routing table.
- Graduates will be able to deploy and manage domain controllers both on-premises and in Azure.
-