



INFORMATION TECHNOLOGY, BACHELOR OF APPLIED SCIENCE - NETWORK SYSTEMS ANALYST (AS GRADUATE)

Program Code: T300A A.S.

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 specific courses may vary by Campus. Please consult the course schedule semester for locations.

Program Entrance Requirements: Minimum AA, AS or AAS degree (from a Regionally Accredited Institution) and 2.0 out of 4.0 GPA in all previous post-secondary work. Students with 60 credit hours but not holding a degree may be admitted to the program upon approval of the Associate Dean or Dean if the AS General Education requirements have been satisfied and all other criteria are met.

Program Description: The Bachelor of Applied Science Degree in Information Technology - Network Systems Analyst provides individuals who hold an Associate degree the opportunity to further their education. Students completing this program will have the skills and knowledge required to become successful Information Technology Professionals and Leaders. The curriculum offers a learner-centered and practical approach to understanding and applying Computer Information Technology.

Special Admissions Requirement: A supplemental application is required for this program. You can complete the application online here (https://broward.formstack.com/forms/bachelors_of_applied_science_application/).

Foreign Language Requirement: Students must successfully complete the foreign language requirement as prescribed in college policy and the college catalog. You can find further information on the foreign language requirement here (<https://www.broward.edu/admissions/testing/foreign-language-competency.html>).

General Education Courses: Will vary based on a student's transcript. Total General Education credits must total 36 as outlined here (<https://catalog.broward.edu/programs-study/aa-general-education-graduation-requirements/>).

Program Competency: Once admitted, students must complete 18 credits of pre-requisites during their first semesters. Pre-requisites are pre/co-requisites to all program courses.

Course	Title	Credits
CTS1133C	A+ COMPREHENSIVE	4.00
CTS1134C	NETWORK+	4.00
CIS1513C	PROJECT MANAGEMENT	4.00
CTS2382C	WINDOWS SERVER ADMINISTRATION	3.00
ISM3013C	INFORMATION SYSTEMS MANAGEMENT	3.00

- Associate of Science
- Information Technology, Advanced Technical Certificate 4283
- Network Admin - MCSE, Advanced Technical Certificate 4286
- Bachelor of Applied Science

Course	Title	Credits	4283	4286
GE Course	General Education Communication Core ¹	3.00		
ISM3212C	DATABASE MANAGEMENT	3.00	X	
ISM3054C	WEB SYSTEMS AND TECHNOLOGIES	3.00	X	
GE Course	General Education Speech ¹	3.00		
CIS3361C	CYSA+	3.00	X	
ISM3314C	APPLIED PROJECT MANAGEMENT	3.00	X	
CTS1111C	LINUX +	4.00		X
GE Course	General Education Natural Science Core	3.00		
ISM3013C	INFORMATION SYSTEMS MANAGEMENT	3.00	X	
GE Course	General Education Wellness ⁴	2.00		
GE Course	General Education Science Lab ⁴	1.00		

CTS2375C	CLOUD+	3.00	X
CTS3103C	VIRTUALIZATION CONCEPTS AND IMPLEMENTATION	3.00	
CTS3322C	RED HAT SYSTEM ADMINISTRATION 2	3.00	
CTS4379C	ADVANCED CLOUD INFRASTRUCTURE AND SERVICES	3.00	
CTS4338C	MICROSOFT EXCHANGE SERVER	4.00	X
GE Course	General Education Humanities Core	3.00	
CTS4348C	RED HAT SYSTEM ADMINISTRATION 3	4.00	
GE Course	General Education Mathematics Core ¹	3.00	
AMH2020 or POS2041	HISTORY OF THE UNITED STATES SINCE 1877 ^{1,5} NATIONAL GOVERNMENT	3.00	
Total Credits		60	30 31

¹ Students must complete the General Education (<https://catalog.broward.edu/programs-study/aa-general-education-graduation-requirements/>) requirement. If a student has completed the requirements through the A.S. program, the student may choose from the list of approved recommended program electives below.

⁴ Students must complete the General Education (<https://catalog.broward.edu/programs-study/aa-general-education-graduation-requirements/>) requirement. General Education Wellness and General Education Science Lab is recommended but students may take any General Education course to satisfy this area. If a student has completed the requirements through the A.S. program, the student may choose from the list of approved recommended program electives below.

⁵ 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/>).

Notes:

Students must satisfy the Digital Literacy requirement by testing out, completing a Credit for Prior Learning portfolio, or passing CGS1060C COMPUTER AND INTERNET LITERACY.

PROGRAM ELECTIVES

Course	Title	Credits
CGS1510C	EXCEL DATA ANALYSIS	3.00
ISM3545C	DATA ANALYTICS TECHNOLOGIES	3.00
ISM4318C	AGILE PROJECT MANAGEMENT	4.00
ISM4547C	DATA ANALYTICS MANAGEMENT	3.00
CNT4422C	CLOUD SECURITY (CCSP)	3.00
CTS1146C	CLOUD COMPUTING PRACTITIONER	4.00
CTS2120C	SECURITY+	4.00
CTS3870C	SERVER-SIDE SCRIPTING	4.00
CTS3859C	CIW E-COMMERCE SPECIALIST	4.00
MGF1107	SURVEY OF MATHEMATICS	3.00

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: N/A

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 and configure a routing table.
- Summarize the properties of a project and classify project roles and responsibilities.
- Demonstrate proficiency with deploying Custom Files with Jinja2 Templates.
- Demonstrate proficiency with troubleshooting routing protocol EIGRP.
- Implement and manage authorization mechanisms.
- Demonstrate ability to plan and execute advanced web development skills including DHTML.
- Articulate the core concepts of Kaizen (People, Product, Process).