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

Program Code: T300A A.A.
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/](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/](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](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/](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.

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>CTS1133C</td>
<td>A+ COMPREHENSIVE</td>
<td>4.00</td>
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<tr>
<td>CTS1134C</td>
<td>NETWORK+</td>
<td>4.00</td>
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<tr>
<td>CIS1513C</td>
<td>PROJECT MANAGEMENT</td>
<td>4.00</td>
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<tr>
<td>CTS2382C</td>
<td>WINDOWS SERVER ADMINISTRATION</td>
<td>3.00</td>
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<td>ISM3013C</td>
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a. Associate of Arts
b. Information Technology, Advanced Technical Certificate 4283
c. Network Admin - MCSE, Advanced Technical Certificate 4286
d. Bachelor of Applied Science

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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
CTS4348C  RED HAT SYSTEM ADMINISTRATION 3            4.00
UL Elective Internship or IT Elective ³              3.00

Total Credits                                          60  30  31

² If the course has already been successfully completed, students will take a course from the approved recommended program electives below.
³ An IT Internship is recommended or students will take an approved upper level (UL) course from the approved recommended program electives below.

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.

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/).

PROGRAM ELECTIVES

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