



INFORMATION TECHNOLOGY, BACHELOR OF APPLIED SCIENCE - CYBERSECURITY AND ETHICAL HACKING (AA GRADUATE)

Program Code: T300C AA

Career Pathway: Science, Technology, Engineering, and Math

Location(s): Courses for this program are not 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 – Cybersecurity and Ethical Hacking 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 for BAS Program: A supplemental application is required for this program will need to be completed and can be found 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 12 credits of program pre-requisites during their beginning semesters. Program pre-requisites are pre/co-requisites to all program courses.

Course	Title	Credits
CIS1513C	PROJECT MANAGEMENT	4.00
CTS2120C	SECURITY+	4.00
CTS1661C	CISCO CCNA1	4.00

- Associate of Arts
- Information Technology, Advanced Technical Certificate 4283
- Cybersecurity and Ethical Hacking, Advanced Technical Certificate 4285
- Information Technology, Bachelor of Applied Science - Cybersecurity and Ethical Hacking (AA Graduate) T300C AA

Course	Title	Credits	4283	4285
CIS1513C	PROJECT MANAGEMENT ²	4.00	X	
CTS1661C	CISCO CCNA1 ²	4.00		X
ISM3013C	INFORMATION SYSTEMS MANAGEMENT	3.00	X	
ISM3054C	WEB SYSTEMS AND TECHNOLOGIES	3.00	X	
COP1700C	INTRODUCTION TO DATABASE AND MYSQL ²	3.00		
CTS2120C	SECURITY+ ²	4.00		X
CIS3361C	CYSA+	3.00	X	X
ISM3314C	APPLIED PROJECT MANAGEMENT	3.00	X	
CET2688C	SYSTEM SECURITY PRACTITIONER (SSCP)	4.00		X
CTS2662C	CISCO CCNA2	4.00		X
CTS2663C	CISCO CCNA3	4.00		X

ISM3212C	DATABASE MANAGEMENT	3.00	X
UL Elective	Internship or IT Elective ³	3.00	
CTS3128C	CISSP	4.00	X
UL Elective	Internship or IT Elective ³	3.00	
CIS3204C	ETHICAL HACKING I	4.00	X
CIS4935C	ETHICAL HACKING II: CAPSTONE	4.00	X
Total Credits		60	30 35

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

PROGRAM ELECTIVES

Course	Title	Credits
CGS1510C	EXCEL DATA ANALYSIS	3.00
CNT4422C	CLOUD SECURITY (CCSP)	3.00
CTS1111C	LINUX +	4.00
CTS2375C	CLOUD+	3.00
CTS3870C	SERVER-SIDE SCRIPTING	4.00
CTS3859C	CIW E-COMMERCE SPECIALIST	4.00
CTS4348C	RED HAT SYSTEM ADMINISTRATION 3	4.00
ISM3545C	DATA ANALYTICS TECHNOLOGIES	3.00
ISM4318C	AGILE PROJECT MANAGEMENT	4.00
ISM4547C	DATA ANALYTICS MANAGEMENT	3.00
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).