



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

Program Code: T300C AS

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. This program is also offered fully online. 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: An application is required for this program to be completed and can be found here (https://broward.my.site.com/apply/TX_CommunitiesSelfReg/?startURL=%2Fapply%2FTargetX_Portal_PB#applications).

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

1. Associate of Science
2. Information Technology, Advanced Technical Certificate 4283
3. Cybersecurity and Ethical Hacking, Advanced Technical Certificate 4285
4. Information Technology, Bachelor of Applied Science - Cybersecurity and Ethical Hacking (AS Graduate) T300C AS

Course	Title	Credits	4283	4285
Course ISM3013C	Title INFORMATION SYSTEMS MANAGEMENT	Credits 3	4283 X	4285
Course GE Course	Title General Education Communication ¹	Credits 3	4283	4285
Course ISM3054C	Title WEB SYSTEMS AND TECHNOLOGIES	Credits 3	4283 X	4285
Course GE Course	Title General Education Speech ¹	Credits 3	4283	4285
Course CNT2111C	Title CISCO CCNA2	Credits 4	4283	4285 X
Course CNT2112C	Title CISCO CCNA3	Credits 4	4283	4285 X
Course CET2688C	Title SYSTEM SECURITY PRACTITIONER (SSCP)	Credits 4	4283	4285 X

Course GE Course	Title General Education Wellness ²	Credits 2	4283	4285
Course GE Course	Title General Education Science lab ²	Credits 1	4283	4285
Course CIS3361C	Title CYSA+	Credits 3	4283 X	4285 X
Course GE Course	Title General Education Natural Science Core ¹	Credits 3	4283	4285
Course ISM3212C	Title DataSys+	Credits 3	4283 X	4285
Course CTS3128C	Title CISSP	Credits 4	4283	4285 X
Course GE Course	Title General Education Mathematics Core ¹	Credits 3	4283	4285
Course GE Course	Title General Education Humanities Core ¹	Credits 3	4283	4285
Course CIS3204C	Title ETHICAL HACKING I	Credits 4	4283	4285 X
Course CIS4935C	Title ETHICAL HACKING II: CAPSTONE	Credits 4	4283	4285 X
Course ISM3314C	Title APPLIED PROJECT MANAGEMENT	Credits 3	4283 X	4285
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	4283	4285
Total Credits		60	4283 30	4285 35

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.

² 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.

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 addition to the courses marked, students must also complete additional credits, to earn the corresponding Advanced Technical Certificate(s) as indicated by its program of study to achieve the **Total Credits**.

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
CNT4422C	CLOUD SECURITY (CCSP)	3
CTS1111C	LINUX +	4
CTS2375C	CLOUD+	3
CTS3859C	CIW E-COMMERCE SPECIALIST	4
CTS4348C	RED HAT SYSTEM ADMINISTRATION 3	4
CTS3870C	SERVER-SIDE SCRIPTING	4
ISM3545C	DATA ANALYTICS	3
ISM4318C	AGILE PRACTITIONER	4
ISM4547C	DATA VISUALIZATION	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: N/A

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 summarize the properties of a project and classify project roles and responsibilities.
- Graduates will be able to troubleshoot routing protocol EIGRP.
- Graduates will implement and manage authorization mechanisms.
- Graduates will be able to configure IPv4 and IPv6 addressing. May include but is not limited to configuring IP options, subnetting, supernetting, alternative configuration.
- Graduates will be able to read and configure a routing table.
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