

HUDSON COUNTY COMMUNITY COLLEGE
STEM (Science, Technology, Engineering,
and Mathematics) DIVISION

Associate in Science in Computer Science (B.S.) Cybersecurity Option



Job Prospects

- Students majoring in Cybersecurity can look forward to careers in health care, biotechnology, banking, finance, manufacturing, logistics, and pharmaceutical industries as well as research opportunities in universities and government laboratories.

Demand

- Employment of information security analysts is projected to grow 18 percent from 2014 to 2024.
- Cyber-attacks have grown in size and number and are often in the news. Creative analysts are needed to prevent hackers from stealing critical information.

Pay

Median annual wages for information security analysts for the year are as follows:

Management, scientific and technical consulting services: **\$95,520**

Depository credit intermediation: **\$93,840**

Computer systems design and related services: **\$90,280**

What you'll learn

- How to analyze and identify potential intrusions and risk in a computing environment.
- How to employ techniques to identify, investigate and mitigate cyber-fraud.
- How to apply cybersecurity skills, experiences, and training to scenarios from commercial business, law enforcement and government.

REGISTER NOW!

For further information, please contact the following:

Hudson County Community College
Professor Faisal Aljamal at faljamal@hccc.edu
Professor Rafiq Siddiqui at msiddiqui@hccc.edu
Admissions at (201) 714-7200 or admissions@hccc.edu

Apply at www.hccc.edu/mystart



Course Requirements:

Suggested Sequence of Courses

FIRST SEMESTER

CSS 100	College Student Success	1
CSC 113	Computer Logic & Discrete Math	3
HUM 101	Cultures and Values	3
ENG 101	College Composition I	3
ENG 102	Speech	3
CSC 117	JAVA Programming	3

Total 16

SECOND SEMESTER

CSC 230	Data Communications Concepts	3
CSC 214	Data Structure & Advanced Programming	3
ENG 102	College Composition II	3
MAT 111	Calculus I	4
PHL 218	Contemporary Moral Problems	3

Total 16

THIRD SEMESTER

CSC 232	Cybersecurity	3
MAT 114	Introduction to Statistics and Probability	3
	OR	
MAT XXX	Cryptography	3
••• •••	Social Science Elective	3
CSC 240	Fundamentals of Computer Networking	3
MAT 112	Calculus II	4

Total 16

FOURTH SEMESTER

CSC XXX	Network Security (course to be developed)	3
••• •••	Social Science/Humanities Elective	3
CSC 227	Introduction to Operating Systems	3
CSC 226	Database Design and Concepts	3
BUS 230	Business Law	3

Total 15

Total Credits 63