

Find Your Career in Cybersecurity

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

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



Forbes Magazine: One Million Cybersecurity Job Openings Coming by 2020

New in 2017

- There are over 200,000 cybersecurity jobs currently unfilled, according to the 2015 Global Information Security Workforce Study. That number is expected to rise to over 1 million by 2020.
- Per the United States Department of Labor, the median annual wage for information security analysts was \$92,600 in May 2016.

Cybersecurity Opportunities:

(In Business, Healthcare, Government, Education)

Chief Information Security Officer	\$81,000 to \$240,000
Security Architect	\$109,794
Security Director	\$104,775 to \$116,245
Security Manager	\$100,215
Security Engineer	\$86,996

What You'll Learn

- How to analyze and identify potential intrusions and risks in a computing environment.
- How to implement, maintain, and manage the cybersecurity of any computing environment.
- How to employ techniques to identify investigate and mitigate cyber fraud.
- How to create and implement cybersecurity policies that address legal, compliance, and regulatory requirements.
- How to apply cybersecurity skills, experience, and training to scenarios from commercial business, law enforcement, and government.

Transfer Opportunities when you receive an Associate Degree from HCCC

Local Colleges and Universities offering B.S. and or M.S. Cybersecurity programs:

Fairleigh Dickinson University, New Jersey Institute of Technology,
Stevens Institute of Technology, and Montclair State University

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