AS in Applied Information Technology Degree Cyber Security Technology

Summary

Pace University's School of Computer Science and Information Systems offers an Associate in Applied Science in Cyber Security Technology. This degree builds upon a liberal arts core with major courses developed to focus on Cyber Security. The field of information technology and telecommunications is constantly changing. The cyber security initiative within the telecommunications companies is bringing security technologies to businesses and homes now. This initiative has created new opportunities for technicians in the field of cyber security.

What will I learn?

Students gain a thorough understanding of both the technical and operational aspects of the industry, and emerge prepared for success in a wide range of telecom careers. The AS in Cyber Security Technology will include:

- A foundation of security topics such as types of attacks, hacker techniques, legal and privacy issues, security policy, information security best practices
- A solid understanding of emerging telecommunications technologies, including Fiber Optics, Broadband, Voice Over IP and Wireless
- A strong base in the fundamental industry concepts and practices
- Critical thinking and problem solving skills
- Teamwork, communications and career development skills and best practices

Degree Requirements

This program is an AS in Cyber Security Technology

*View the degree details at **Pace University***.

Major Courses
AIT 109 Broadband Essentials
AIT 111 AC/DC Electrical Circuits for Telecommunications
AIT 120 Business and Technical Communications for Telecommunications
AIT235 Telecommunications II/Signal Transmission for Telecommunications

CIT221 Global Networking Technology replaces TS341

CIT 251 Computer Security

CIT254 Overview of Computer Forensics

General Education
AIT 103 Online Seminar
English
MAT 125 Technical Math
AIT 107 Computer Applications
16 hours in liberal arts electives

Cyber Security Technology Certificate

AIT235 Telecommunications II/Signal Transmission for Telecommunications

AIT241 Telecommunications III/Data Transmission Systems

CIT221 Global Networking Technology replaces TS341

CIT 251 Computer Security

Electives
4 credits in electives (this is in addition to 16 credits of general education electives)
TOTAL DEGREE CREDITS 64