PACE UNIVERSITY
Seidenberg School of Computer Science and Information Systems

Fortify your career with the BS in Cybersecurity

Pace University's BS in Cybersecurity will prepare you for a career in the cybersecurity industry, which is one of the fastest growing industries with jobs that start with six-figure salaries. This program combines computer science theory with cybersecurity practice and you will get hands-on experience doing pen testing, digital forensics, system monitoring, and more.

Below is the list of courses required as part of the Bachelor of Science in Cybersecurity. In addition to these courses, all Pace students complete required courses in the University core.

Cybersecurity Core:	**Computing Core:**
CYB 201: Introduction to Cybersecurity	CS 113: Math Structures for Computer Science
CYB 211: Information Security Management	CS 121: Introduction to Computer Science
CYB 241: Secure Software Dev. & Analysis	CIT 241: Database Management
CYB 323: Network Security & Defenses	CIT 221: Global Networking Technology
CYB 325: Penetration Testing & Ethical Hacking	CYB 231: Operating Systems & Security
CYB 491: Cybersecurity Capstone Project	
Advanced Major Electives (Choose 3):	**Graduate Level Elective Courses (Choose 2):**
CS 312: Research Methods	CYB 631: Automating Info.Security with Python & Shell
CIT 348: Data Mining	CYB 633: Malware Analysis & Reverse Engineering
CIT 361: Digital Forensics Overview	CYB 651: Cyber Intelligence Analysis & Modeling
CIT 363: Computer Forensics & Cyber Law	
CIT 365: Mobile Device Forensics	
CIT 380: Applied AI & Machine Learning	
CIT 397U: Applied Cyber Defense & Operations	

Total: 120 credits