

# 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](#).

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

Total: 120 credits