



**NATIONAL  
UNIVERSITY**

Veteran Founded. Nonprofit.

**Bachelor of Science in Cybersecurity Pathway  
MIRACOSTA COLLEGE**

To earn a bachelor’s degree from National University students must complete a minimum of 180 quarter units. Requirements include but are not limited to the university’s general education program (to include upper division and cultural diversity), the preparatory courses listed below, major core coursework and any additional courses necessary to fulfill overall program requirements.

The table below maps National University’s Foundation CYBER courses to equivalencies identified at **MIRACOSTA COLLEGE**.

Click [here](#) for NU and Community Colleges Articulation Agreement.

| MIRACOSTA COLLEGE  | NATIONAL UNIVERSITY                           |
|--|---|
| <b>Equivalent Transfer Course</b>  | <b>Preparatory Courses Required</b>           |
| CSIT 181 Fundamentals of Computer Networking<br><b>OR</b><br>CSIT 191 Fundamentals of Cisco Networking | CYB 202 Introduction to Networking            |
| CSIT 183 Windows Server<br><b>AND</b><br>CSIT 184 Linux Server   | CYB 204 Operating System Fundamentals         |
| CSIT 182 Fundamentals of Computer Security   | CYB 206 Introduction to Cybersecurity         |
| No Equivalent MiraCosta College Course   | CYB 213 Data Fundamentals for Cybersecurity   |
| No Equivalent MiraCosta College Course   | CYB 215 Fund of Virtualization and Cloud Comp |
| CS 138 Programming with Python   | CYB 216 Programming for Cybersecurity         |
| <b>REQUIREMENTS FOR THE MAJOR</b><br>(14 courses; 63 quarter units)                                    |   |
| CYB 320 Tech Writing/Project Mgmt. for CYB   | CYB 451 Incident Handling/Response            |
| CYB 331 Secure Linux Systems Admin   | CYB 452 Intro to Ethical Hacking              |
| CYB 332 Secure Windows Administration  | CYB 453 Network Defense                       |
| CYB 333 Security Automation  | CYB 454 Cybersecurity Planning and Policy     |
| CYB 340 Sys Sec Arch for Cybersecurity   | CYB 499A Cybersecurity Project I              |
| CYB 420 Sec Audit and Assessments  | CYB 499B Cybersecurity Project II             |
| CYB 450 Cyber Threat Intelligence  | CYB 499C Cybersecurity Project III            |
| <b>Choose one Concentration listed below required for the program</b><br>(4 courses; 18 quarter units) |   |
| <b>COMPUTER NETWORK DEFENSE</b>  | <b>DIGITAL FORENSICS</b>                      |
| CYB 460 Operating System Security  | CYB 470 Intro to Digital Forensics            |
| CYB 461 Wireless and Mobile Security   | CYB 471 Operating Systems Forensics           |
| CYB 462 Cloud and Virtualization Sec   | CYB 472 Network Forensics                     |
| CYB 463 Advanced Network Defense   | CYB 473 Mobile Device Forensics               |

**Note:** There requirements are subject to change. Please see National University’s online General Catalog for official record of requirements for the year you are admitted.