

## Bachelor of Science in Cybersecurity Pathway: Cerro Coso 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 Technology courses to equivalencies identified at Cerro Coso College.

Equivalent Transfer CoursePreparatory Courses RequiredIT C146 Introduction to Information Systems SecurityCYB 200 Introduction to CybersecurityIT C248 System and Network AdministrationCYB 204 Operating System FundamentalsIT C143 Computer Network FundamentalsCYB 202 Introduction to NetworkingNo Equivalent Cerro Coso College CourseCYB 210 Data Fundamentals for CybersecurityNo Equivalent Cerri Coso College CourseCYB 215 Fund of Virtualization and Cloud CompIT C251 Intro to Programming Concepts and MethodologiesCYB 216 Programming for CybersecurityRequirements for the Major at National U====================================	Cerro Coso College	National University
IT C248 System and Network Administration CYB 204 Operating System Fundamentals IT C143 Computer Network Fundamentals CYB 202 Introduction to Networking No Equivalent Cerro Coso College Course CYB 213 Data Fundamentals for Cybersecurity No Equivalent Cerri Coso College Course CYB 215 Fund of Virtualization and Cloud Comp IT C251 Intro to Programming Concepts and Methodologies CYB 216 Programming for Cybersecurity Requirements for the Major at National University (14 courses; 63 quarter units) CYB 320 Tech Writing/Project Mgmt for CYB CYB 331 Secure Linux Systems Admin CYB 332 Secure Windows Administration CYB 333 Security Automation CYB 340 Sys Sec Arch for Cybersecurity CYB 420 Sec Audit and Assessments CYB 450 Cyber Threat Intelligence CYB 451 Incident Handling/Response CYB 453 Network Defense CYB 454 Cybersecurity Planning and Policy CYB 454 Cybersecurity Project I CYB 499A Cybersecurity Project II CYB 499B Cybersecurity Project III CYB 499C Cybersecurity Project III Choose one Concentration listed below required for program	Equivalent Transfer Course	Preparatory Courses Required
IT C143 Computer Network Fundamentals CYB 202 Introduction to Networking No Equivalent Cerro Coso College Course CYB 213 Data Fundamentals for Cybersecurity No Equivalent Cerri Coso College Course CYB 215 Fund of Virtualization and Cloud Comp IT C251 Intro to Programming Concepts and Methodologies CYB 216 Programming for Cybersecurity (14 courses; 63 quarter units) CYB 320 Tech Writing/Project Mgmt for CYB CYB 215 Fund of Virtualization and Cloud Comp CYB 331 Secure Linux Systems Admin CYB 332 Secure Windows Administration CYB 333 Security Automation CYB 333 Security Automation CYB 340 Sys Sec Arch for Cybersecurity CYB 450 Cyber Threat Intelligence CYB 450 Cyber Threat Intelligence CYB 451 Incident Handling/Response CYB 452 Intro to Ethical Hacking CYB 453 Network Defense CYB 454 Cybersecurity Project I CYB 499A Cybersecurity Project II CYB 499B Cybersecurity Project III CYB 499C Cybersecurity Project III CYB 499C Cybersecurity Project III Secure Comparison CYB 499A Cybersecurity Project III Secure CYB 499A Cybersecurity Project II CYB 499B Cybersecurity Project II Secure CYB 499A Cybe	IT C146 Introduction to Information Systems Security	CYB 200 Introduction to Cybersecurity
No Equivalent Cerro Coso College CourseCYB 213 Data Fundamentals for CybersecurityNo Equivalent Cerri Coso College CourseCYB 215 Fund of Virtualization and Cloud CompIT C251 Intro to Programming Concepts and MethodologiesCYB 216 Programming for CybersecurityRequirements for the Major at National University (14 courses; 63 quarter units)CYB 320 Tech Writing/Project Mgmt for CYBCYB 33 Secure Linux Systems AdminCYB 33 Secure Vindows AdministrationCYB 33 Security AutomationCYB 420 Sec Arch for CybersecurityCYB 420 Sec Arch for CybersecurityCYB 450 Cyber Threat IntelligenceCYB 451 Incident Handling/ResponseCYB 452 Intro to Ethical HackingCYB 453 Network DefenseCYB 454 Cybersecurity Project ICYB 499A Cybersecurity Project ICYB 499B Cybersecurity Project ICYB 499B Cybersecurity Project IIChoose one Concentration listed below required for program	IT C248 System and Network Administration	CYB 204 Operating System Fundamentals
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IT C251 Intro to Programming Concepts and Methodologies  Requirements for the Major at National University (14 courses; 63 quarter units)  CYB 320 Tech Writing/Project Mgmt for CYB  CYB 331 Secure Linux Systems Admin  CYB 332 Secure Windows Administration  CYB 333 Security Automation  CYB 333 Security Automation  CYB 420 Sec Arch for Cybersecurity  CYB 420 Sec Audit and Assessments  CYB 450 Cyber Threat Intelligence  CYB 451 Incident Handling/Response  CYB 452 Intro to Ethical Hacking  CYB 453 Network Defense  CYB 454 Cybersecurity Project I  CYB 459 Cybersecurity Project II  CYB 499A Cybersecurity Project III  CYB 499B Cybersecurity Project III  CYB 499C Cybersecurity Project III  Choose one Concentration listed below required for program	No Equivalent Cerro Coso College Course	CYB 213 Data Fundamentals for Cybersecurity
Requirements for the Major at National University (14 courses; 63 quarter units)         CYB 320 Tech Writing/Project Mgmt for CYB         CYB 320 Tech Writing/Project Mgmt for CYB         CYB 331 Secure Linux Systems Admin         CYB 332 Secure Windows Administration         CYB 333 Security Automation         CYB 340 Sys Sec Arch for Cybersecurity         CYB 420 Sec Audit and Assessments         CYB 450 Cyber Threat Intelligence         CYB 451 Incident Handling/Response         CYB 452 Intro to Ethical Hacking         CYB 453 Network Defense         CYB 454 Cybersecurity Planning and Policy         CYB 499A Cybersecurity Project I         CYB 499B Cybersecurity Project II         Choose one Concentration listed below required for program	No Equivalent Cerri Coso College Course	CYB 215 Fund of Virtualization and Cloud Comp
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CYB 331 Secure Linux Systems Admin CYB 332 Secure Windows Administration CYB 333 Security Automation CYB 340 Sys Sec Arch for Cybersecurity CYB 420 Sec Audit and Assessments CYB 450 Cyber Threat Intelligence CYB 450 Cyber Threat Intelligence CYB 451 Incident Handling/Response CYB 452 Intro to Ethical Hacking CYB 453 Network Defense CYB 454 Cybersecurity Planning and Policy CYB 454 Cybersecurity Planning and Policy CYB 499A Cybersecurity Project I CYB 499B Cybersecurity Project II CYB 499C Cybersecurity Project III CYB 499C Cybersecurity Project III	Requirements for the Major at National University (14 courses; 63 quarter units)	
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CYB 340 Sys Sec Arch for Cybersecurity CYB 420 Sec Audit and Assessments CYB 450 Cyber Threat Intelligence CYB 451 Incident Handling/Response CYB 452 Intro to Ethical Hacking CYB 453 Network Defense CYB 454 Cybersecurity Planning and Policy CYB 499A Cybersecurity Project I CYB 499B Cybersecurity Project II CYB 499C Cybersecurity Project III	CYB 332 Secure Windows Administration	
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CYB 454 Cybersecurity Planning and Policy CYB 499A Cybersecurity Project I CYB 499B Cybersecurity Project II CYB 499C Cybersecurity Project III Choose one Concentration listed below required for program	CYB 452 Intro to Ethical Hacking	
CYB 499A Cybersecurity Project I CYB 499B Cybersecurity Project II CYB 499C Cybersecurity Project III Choose one Concentration listed below required for program	CYB 453 Network Defense	
CYB 499B Cybersecurity Project II CYB 499C Cybersecurity Project III Choose one Concentration listed below required for program	CYB 454 Cybersecurity Planning and Policy	
CYB 499C Cybersecurity Project III Choose one Concentration listed below required for program	CYB 499A Cybersecurity Project I	
Choose one Concentration listed below required for program		
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<b>Computer Network Defense</b> (4 courses: 18 quarter units) <b>Digital Forensics</b> (4 courses: 18 quarter units)		
Digital Forenses (+ courses, 10 quarter anits)	Computer Network Defense (4 courses; 18 quarter units)	Digital Forensics (4 courses; 18 quarter units)
CYB 460 Operating System Security CYB 470 Intro to Digital Forensics	CYB 460 Operating System Security	CYB 470 Intro to Digital Forensics
CYB 461 Wireless and Mobile Security CYB 471 Operating Systems Forensics	CYB 461 Wireless and Mobile Security	CYB 471 Operating Systems Forensics
CYB 462 Cloud and Virtualization Sec CYB 472 Network Forensics	CYB 462 Cloud and Virtualization Sec	CYB 472 Network Forensics
CYB 463 Advanced Network Defense CYB 473 Mobile Device 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.