BOISE STATE UNIVERSITY

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Boise State Administration Building

Boise State University invites you to join its dynamic community and make a meaningful impact in the world through a career in cybersecurity, computer science, cyber operations, and more. With a comprehensive range of academic offerings, including four undergraduate options, seven graduate pathways, and four graduate certifications, Boise State is equipped to guide every individual along their chosen career path. Among its standout programs is the Bachelor's Degree in Computer Science with an Emphasis in Cybersecurity, recognized as an NSA Center for Academic Excellence program.

This specialized degree equips students with critical knowledge, focusing on the understanding that many cyber attacks exploit vulnerabilities in software. It is rooted in the belief that software designed with security risks in mind at each stage of the development process will inherently be more secure, robust, and resistant to attacks. The program aims to instill correct computing ethics in students, arm them with comprehensive cybersecurity knowledge, and prepare them to design resilient software and computer systems. Graduates of this emphasis are primed for careers in software/IT security or further academic pursuits in cybersecurity.

Students in this program are expected to develop a range of skills, including software development in multiple languages, comprehension of cyber policies, regulations, and ethics, understanding of cryptographic algorithms, and awareness of common cyber vulnerabilities and their countermeasures. They will also enhance their communication skills for problem-solving both independently and in teams. Furthermore, students will become proficient in network monitoring and web traffic analysis, applying their computer science knowledge to tackle real-world issues and create software solutions across various domains.

Beyond the classroom, Boise State's Institute for Pervasive Cybersecurity stands at the forefront of cybersecurity innovation in Idaho. The institute champions competency programs that span the state, offering students opportunities to engage in practical, hands-on learning. One such initiative is the Cyberdome, a collaborative hub aimed at competency development. The Cyberdome not only focuses on mitigating risks for rural communities but also on cultivating a "Ready to Work" cybersecurity workforce, ensuring graduates are well-prepared to meet the challenges and opportunities in the field of cybersecurity.

DESIGNATIONS

• **CAE-Cyber Defense**

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