INDIANA UNIVERSITY

Indiana University's Sample Gates in the fall

Our program of study at **Indiana University** is meticulously crafted to ensure our students emerge as highly competent professionals in the multifaceted realm of computer security. This curriculum not only embraces the essential subjects that constitute the foundation of computer security—such as mathematics, protocol analysis, system and network security—but also spans the broader scope covered by Security Informatics. Security Informatics represents a fusion of security with human interaction, organizational theory, social engineering, and information technology, ensuring that security considerations are not isolated but integrated within the wider economic and social context.

The Security Informatics master's degree program is underpinned by several core educational objectives. These include developing a solid mathematical foundation essential for Security Informatics and gaining a thorough understanding of the seminal work that forms the backbone of information security. Students are expected to acquire the technical skills necessary to leverage current and emerging design applications effectively.

At Indiana University there is a strong emphasis on understanding the socioeconomic impacts of security and privacy-enhancing technologies. The program aims to equip students with practical skills indispensable in the information security sector, alongside fostering a profound comprehension of how security operates within organizations, including systems and network administration.

Additionally, students will develop an appreciation for the insights offered by economics and organizational informatics, enabling them to make optimal business decisions within the security technology domain. Lastly, the program strives to cultivate an interdisciplinary understanding that empowers students to design and implement solutions addressing the social engineering and economic aspects of security.

DESIGNATIONS

• CAE-Cyber Defense • CAE-Research

CONTACT INFORMATION

Kelli Shute
kelshute@iu.edu

L. Jean Camp
ljcamp@indiana.edu

Apu Kapadia
kapadia@indiana.edu

www.iu.edu | spice.luddy.indiana.edu

Students collaborating