Program Description

In the Bachelor of Science in Information Systems Security (ISS) program, students will learn the fundamentals of information security including design and implementation of secure systems, security assessment, and computer security ethics. Students will utilize a variety of cutting edge technologies and labs in many hands-on learning activities. Following completion of the BS in Information Systems Security degree students will 1) exhibit understanding of the crucial concepts of information systems security; 2) demonstrate and communicate best security practices and ethics; and 3) be able to design and implement secure systems. The BS in ISS will be offered in both on-ground and online formats.

Graduates of the BS in ISS program will have the necessary skill set to enter into security-centric careers in network and computer administration, system analysis, computer support, and the like. In addition, students will be equipped to enter into related graduate level programs in Computer Science.

The UIS Computer Science Department is a Cisco Regional Networking Academy, serving as the instruction center for local academies at high schools, career centers, community colleges, and universities in central Illinois. UIS has received national recognition as a partner in the NSF Center for Systems Security and Information Assurance (CSSIA) www.cssia.org.

The Computer Science Department’s curriculum is certified by the Committee of National Security Systems and the National Security Agency. The department has been designated as a National Center of Academic Excellence in Information Assurance Education. The National Security Agency (NSA) and the Department of Homeland Security (DHS) jointly sponsor the National Centers of Academic Excellence in Information Assurance Education (CAEIAE) program.

Admission Requirements

Eligibility to the Computer Science Online Bachelor’s Program

- Students must submit the Statement of Purpose Form
- A minimum undergraduate GPA of 2.0 on a 4.0 scale is required
- 2 semesters of Java Programming Experience
- 1 semester of each of the following: Calculus, Discrete or Finite Math, and Statistics
- Applicants who do not meet all entrance requirements may take the prerequisites at UIS
  - CSC 225 and CSC 275 will satisfy the 2 semesters of Java
  - MAT 115, CSC 302, and MAT 121 will satisfy the math requirements

Students will be admitted each fall and spring semester.

Review of applications for Spring enrollment begins on September 15th; review of applications for Fall enrollment begins on March 15th. These are not application deadlines. In each case, the Computer Science Department will continue to accept and evaluate applications until the cohort for that term has filled.
Information Systems Security Program Requirements (36 credit hours)

CSC 305 Entrance Assessment (0 hours) (taken first semester)
CSC 405 Exit Assessment (0 hours) (taken last semester)
CSC 366 Introduction to Networking (4 hours)
CSC 367 Introduction to Cybersecurity (4 hours)
CSC 430 Foundations of Network Security and Information Assurance (4 hours)
CSC 368 Systems Programming Languages (4 hours)
CSC 437 Introduction to Cryptography (4 hours)
CSC 438 Systems Security and Information Assurance Capstone (4 hours)
CSC Electives (12 hours) (3 courses)

ECCE Requirements (10 credit hours)

UNI 301 Speaker Series (1 hour)
U.S. Communities (3-4 hours)
Global Awareness (3-4 hrs)
  CSC 442 Internet in American Life (4 hours) (Recommended)
Engagement Experience (3-4 hrs)
  EXL 30x Applied Study Term / AST (2 hours) (Recommended)

Other Requirements

Must Complete 120 hours
Must Complete 48 hours of 300-400 courses
Must Complete 30 hours of courses at UIS

Official degree requirements are available in the UIS catalog at www.uis.edu/uiscatalog

Program Contacts

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Program URL: https://csc.uis.edu/online-undergraduate-admission