

New Program Proposal

Information Security Management and Auditing, Graduate Certificate

Program Description

The Graduate Certificate in Information Security Management and Auditing provides students an opportunity to pursue a focused study of core information security management principles and practices and auditing of information security programs and operations. Students first obtain basic technical background to understand core information security issues and principles. They then learn about designing, managing, assessing, and auditing security within organizational contexts. The program is suitable for candidates with undergraduate education and/or work experience in business related fields and who do not prior technical background. It's also suitable for candidates with Information Technology and/or technical cybersecurity backgrounds who wish to broaden their skill-sets in the business and management aspects of information security.

This 12 credit hour certificate program also counts toward the 30 credit hour Master of Science in Information Systems and Technology degree program requirements. Students may choose to combine this certificate with other courses and/or certificates to obtain the Master of Science in Information Systems and Technology degree.

Admission Requirements

Applicants must meet general University of Missouri-St. Louis Graduate School admissions requirements.

Certificate Requirements

All course prerequisites and all course waivers are applicable. Substitute courses may be approved by the appropriate department chairperson and the Director of Graduate Business Programs.

INFSYS 6820	Systems and IT Infrastructure	3
INFSYS 6828	Principles of Information Security	3
INFSYS 6878	Management of Information	3
ACCTNG 5436	Systems Auditing	3
Total Hours		12

Sign-offs from other departments affected by this proposal

Department	Contact Person	Phone #	Objections
S003100	Cezary Janikow	X6352	No

Rationale

Information Security management and auditing are critical skill-sets within organizations as practitioners in these areas design, implement, manage, and assess information security management programs and also provide oversight to information security operations while ensuring compliance. The skills needed in these areas complement technical skills of cybersecurity operations teams. This new certificate covers essential components of industry certifications such as the Certified Information Security Auditor (CISA) and Certified Information Security Manager (CISM) certification, thereby making it attractive to people interested in transitioning to roles of auditing practitioners and security managers. This certificate program is part of broader efforts within the department of Information Systems and Technology to create flexible pathways for students to complete the full Master of Science in Information Systems and Technology (MSIST) by transferring all courses taken within Graduate Certificates into the MSIST. This restructuring makes the graduate programs attractive to prospective students who may not be ready to commit to a full degree while providing them with the flexibility to combine certificates toward a student centered MSIST degree. These efforts are in line with the College of Business Administration, Graduate School, the University of Missouri-St. Louis, and the University of Missouri System strategic initiatives. This certificate can also be utilized by the University of Missouri (Columbia) as well as the National Geo-spatial Intelligence Agency (NGA) in separate ongoing efforts aimed at increasing collaboration across the four UM campuses and providing reskilling/upskilling opportunities to NGA employees.