

New Program Proposal

Graduate Certificate in Enterprise Systems Development

The Certificate in Enterprise Systems is a six-course (18 credit hours) program housed in the College of Business Administration at the University of Missouri – St. Louis. It serves a broad group of managers, technical specialists, and entry level professionals. A prior background in information systems is not required to enter this program. The certificate is designed to help students from all backgrounds achieve competence in the development and management of legacy information systems including the interface with modern programming languages, platforms, and security standards. The program provides students the flexibility to choose one INFSYS elective based on their interests.

INFSYS 6806	Managerial Applications of Object-Oriented Technologies	3
INFSYS 6807	Contemporary z/OS COBOL	3
INFSYS 6817	Advanced COBOL & Modern z/OS System Tools	3
INFSYS 6818	Management of Software Testing	3
INFSYS 6828	Principles of Information Security	3
INFSYS Elective ¹		3
Total Hours		18

¹ Topics include Web Design, Advanced Web Design, Advanced Java, C#, Systems Analysis, Database Management, Data Networks and Security, Advanced Cybersecurity, Risk Management and Business Continuity, Project Management, Open Source Software Development, Decision Support Systems for BI, and Enterprise Information Systems (ERP).

Sign-offs from other departments affected by this proposal

Department	Contact Person	Phone #	Objections
S006000	Cezary Janikow		No

Rationale

This certificate is designed to help students from all backgrounds achieve competence in the development and management of legacy information systems including the interface with modern programming languages, platforms, and security standards. It will enable students to more effectively manage heterogeneous computing environments.