Graduate Certificate in Enterprise Systems (ISESGC)

Timothy Paul Cronan
Director
WCOB 215
479-575-6130
cronan@uark.edu

The Graduate Certificate in Enterprise Systems (ES) is a part-time program designed to provide graduate students knowledge of and experience with information systems used in modern enterprise environments. The demand for skilled professionals in information systems continues to outpace the supply of qualified applicants. Students may choose one of three areas of study for the Graduate Certificate in Enterprise Systems – Enterprise Information Systems, Enterprise Analytics, or Enterprise Resource Planning. The Certificate program is intended to be completed part-time (ordinarily no more than six hours per semester), and is open to individuals with backgrounds in any discipline.

Admission Requirements: The Graduate Certificate in Enterprise Systems is a part-time program open to individuals with backgrounds in any discipline. Students must apply and be admitted to the Graduate School of Business; the GMAT/ GRE requirement is waived for the Graduate Certificate in Enterprise Systems degree program. (Students who have earned a GPA 3.5 or better upon completion of the certificate program and subsequently apply to the Master of Information Systems program will not be required to submit a test score). Information regarding Graduate School of Business admission requirements can be found earlier in this chapter.

Requirements for the Graduate Certificate in Enterprise Systems: (12 hours)
To receive the Graduate Certificate in Enterprise Systems, students must select one of the areas of study below. Students are required to take 9 hours of coursework in the Walton College of Business and 3 hours of electives related to ES in either the Walton College or in another college at the University of Arkansas. Elective courses other than those listed below must be approved by the Director of the Certificate program. Some elective courses have prerequisites that are not met by courses in the Certificate program. Students are advised to check prerequisites prior to enrolling in a course.

Required Course (3 hours) for all areas of study
ISYS 5833 Data Management Systems
OR WCOB 5213 ERP Fundamentals

> **Enterprise Information Systems Area of Study –** *this area of study is open to individuals with backgrounds in fields other than Information Systems (IS) and is designed to provide non-IS graduate students with the fundamental knowledge and skills needed to successfully transition to a career in the IS field. Students who complete this area of study will have exposure to fundamental principles of IS, techniques for management and development of IS projects, and effective management and use of relational and dimensional data. Students who successfully complete this area of study may be eligible to receive a certificate endorsed by Microsoft.*

> > **Required Courses** (9 hours)
> > ISYS 5113 IT Toolkit *(this course may not be used for the Master of Information Systems Degree)*
> > **ISYS 5833 Data Management Systems**
> > ISYS 5423 Seminar in Systems Development
> > **Elective Course** (3 hours) Students should choose three hours of coursework from among the following:
> > WCOB 5213 ERP Fundamentals
> > ISYS 5133 E-Business Development

ISYS 5453 Introduction to Enterprise Servers
ISYS 5933 Global IS

Enterprise Analytics Area of Study – *this area of study is open to individuals with backgrounds in any discipline and is designed to give business and non-business graduate students knowledge and experience in the management and use of enterprise data for operations and decision-making. The ability to effectively manage and analyze increasingly large and complex sets of data is highly valued among employers in all disciplines, as "business intelligence" becomes a primary source of competitive advantage in many organizations. Students who complete this area of study will have a foundation in the effective management and use of relational and dimensional data, the application of statistical decision-making theory, and the exploration and exploitation of data using advanced data mining tools and techniques. Students completing this area of study may be eligible to receive a certificate endorsed by the SAS Institute.*

Required Courses (9 hours)
ISYS 5833 Data Management Systems
ISYS 5503 Decision Support Systems
ISYS 5843 Business Intelligence & Knowledge Management
Elective Course (3 hours) Students should choose three hours of coursework from among the following:
ISYS 5113 IT Toolkit *(this course may not be used for the Master of Information Systems Degree)*
WCOB 5213 ERP Fundamentals
ISYS 5133 E-Business Development
ISYS 5423 Seminar in Systems Development

Enterprise Resource Planning Area of Study – *this area of study is open to individuals with backgrounds in any discipline and is designed to provide business and non-business graduate students a foundation in the effective use, implementation, and customization of Enterprise Resource Planning (ERP) systems. ERP systems support integrated core business processes in nearly every large organization, and knowledge of and experience with these systems are highly valued among employers in all business disciplines. Students who complete this area of study will have exposure to fundamental principles of ERP and techniques for configuration, implementation, and development of ERP systems. Students completing this area of study may be eligible to receive a certificate endorsed by SAP America and the SAP University Alliances Program.*

Required Courses (9 hours)
WCOB 5213 ERP Fundamentals
WCOB 5223 ERP Configuration & Implementation
ISYS 5233 ERP Development
Elective Course (3 hours)
Students should choose three hours of coursework from among the following:
ISYS 5113 IT Toolkit *(this course may not be used for the Master of Information Systems Degree)*
ISYS 5833 Data Management Systems
ISYS 5933 Global IS
ISYS 5943 Management of Information Technology
ISYS 5453 Introduction to Enterprise Servers