

Graduate Certificates

The Graduate School of Business at the University of Arkansas offers two non-degree programs leading to graduate certificates: Entrepreneurship and Enterprise Systems. Admission and course requirements are described under each tab.

Graduate Certificate in Enterprise Systems

Paul Cronan
Director
Business Building
pcronan@walton.uark.edu

Enterprise Systems Graduate Certificate Program Website (<https://walton.uark.edu/graduate-programs/certificates/>)

The Graduate Certificate in Enterprise Systems is a part-time program offered on campus, blended, and online. It is designed to provide graduate students with knowledge and experience in 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 four concentrations for the Graduate Certificate in Enterprise Systems: Blockchain Enterprise Systems, Business Analytics, Cybersecurity and Data, 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.

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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 part-time Master of Information Systems program (Professional M.I.S.) 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 tracks below. Students are required to take 9 hours of coursework in the Walton College of Business and 3 hours of electives related to Enterprise Systems 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

Choose at least one of the following depending on the track chosen:

ISYS 5013	Data and Cybersecurity
ISYS 5173	Blockchain Fundamentals
ISYS 5103	Data Analytics Fundamentals
ISYS 5213	ERP Fundamentals

Blockchain Enterprise Systems Track

This track is open to individuals with backgrounds in fields other than Information Systems and is designed to provide non-IS graduate students with the fundamental knowledge and skills needed to successfully transition to a career in the Information Systems field. Students who complete this track will have exposure to fundamental principles of blockchain, enterprise information systems, and techniques for management and development of blockchain projects.

Required Courses (9 hours)

ISYS 5173	Blockchain Fundamentals	3
ISYS 5133	Blockchain and E Business Development	3
ISYS 5453	Blockchain and Enterprise Data	3
Students should choose 3 hours of coursework from among the following:		3
ISYS 5103	Data Analytics Fundamentals (recommended)	
ISYS 5213	ERP Fundamentals	
ISYS 5463	Enterprise Transaction Systems	
ISYS 5833	Data Management Systems	
Total Hours		12

Cybersecurity and Data Track

This track is open to individuals with backgrounds in any discipline and is designed to provide business and non-business graduate students a foundation to help organizations assess and detect threats while securing and protecting data and data-driven systems against a myriad of threats such as malicious software, hacking, insider threats, and other cybercrimes.

Required Courses:

ISYS 5013	Data and Cybersecurity	3
ISYS 5023	Data and System Security	3
ISYS 5043	Cybersecurity, Crime, and Data Privacy Law I	3
Students should choose 3 hours of coursework from among the following:		3
ISYS 5033	Advanced Data and Cybersecurity Management	
ISYS 5053	Cybersecurity, Crime and Privacy Law II	
ISYS 511V	IT Toolkit & Skills Seminar	
ISYS 5103	Data Analytics Fundamentals	
ISYS 5173	Blockchain Fundamentals	
ISYS 5213	ERP Fundamentals	
Total Hours		12

Business Analytics Track

This track is open to individuals with backgrounds in any discipline and is designed to give business and non-business graduate student's 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 track 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 track may be eligible to receive a certificate endorsed by the SAS Institute.

Required Courses (9 hours)

ISYS 5103	Data Analytics Fundamentals	3
ISYS 5503	Decision Support and Analytics	3
ISYS 5833	Data Management Systems	3
Students should choose 3 hours of coursework from among the following:		3
ISYS 511V	IT Toolkit & Skills Seminar (this course may not be used for the Master of Information Systems degree)	
ISYS 5133	Blockchain and E Business Development	
ISYS 5213	ERP Fundamentals	
ISYS 5423	Seminar in Systems Development	
ISYS 5843	Seminar in Business Intelligence and Knowledge Management	
Total Hours		12

Enterprise Resource Planning Track

This track 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 track will have exposure to fundamental principles of ERP and techniques for configuration, implementation, and development of ERP systems. Students completing this track may be eligible to receive a certificate endorsed by SAP America and the SAP University Alliances Program.

Required Courses (9 hours)

ISYS 5213	ERP Fundamentals	3
ISYS 5223	ERP Configuration and Implementation	3
ISYS 5233	Seminar in ERP Development	3
Students should choose 3 hours of coursework from among the following:		3
ISYS 511V	IT Toolkit & Skills Seminar (recommended)	
ISYS 5103	Data Analytics Fundamentals	
ISYS 5173	Blockchain Fundamentals	
ISYS 5453	Blockchain and Enterprise Data	
ISYS 5833	Data Management Systems	
Total Hours		12

Graduate Certificate in Entrepreneurship

The Graduate Certificate in Entrepreneurship is designed to give graduate students a foundation in the core aspects of entrepreneurship they will need to start successful enterprises, to create and promote new products or service offerings in existing organizations, or to

engage in social entrepreneurship. The Certificate program is open to individuals with backgrounds in any discipline. Students who complete the Graduate Certificate in Entrepreneurship will have explored the context, tools, and processes of entrepreneurial activity and will have learned how to apply them to commercial and non-commercial enterprises.

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Admission Requirements: The Graduate Certificate is open to individuals with backgrounds in any discipline. Students must apply and be admitted to the Graduate School of Business. Refer to the Graduate School of Business admission requirements (<http://catalog.uark.edu/graduatecatalog/business/>).

Requirements for the Graduate Certificate in Entrepreneurship: (12 hours) To receive the Graduate Certificate in Entrepreneurship, students are required to take 9 hours of coursework in the Walton College of Business and 3 hours of electives related to entrepreneurship in either the Walton College or in another college at the University of Arkansas. Elective courses other than those listed below may 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.

*Students pursuing the Graduate Certificate in Entrepreneurship while completing a master's degree or Ph.D. in Electrical Engineering are required to choose an elective from Electrical Engineering. Likewise, students completing a master's degree in Biomedical Engineering must choose an elective from those listed under Public Health or another relevant course with Biomedical Engineering Program Advisory Committee approval.

Required Courses

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For business students:

SEVI 5313	Strategic Management
SEVI 5323	New Venture Development
SEVI 5413	New Venture Development II

For non-business students:

SEVI 5213	Business Foundations for Entrepreneurs
SEVI 5323	New Venture Development
SEVI 5413	New Venture Development II

Elective Course *

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Select one of the following:

Dale Bumpers College of Agricultural, Food, and Life Sciences

AGEC 5143	Financial Management in Agriculture
AGEC 5413	Agribusiness Strategy

J. William Fulbright College of Arts & Sciences

ARTS 596V	Fine Arts Gallery Internship
COMM 5403	Organizational Communication Theory
JOUR 5063	Multiculturalism in Advertising and Public Relations
JOUR 5323	Documentary Production I

Walton College of Business

MBAD 535V MBA Internship

SEVI 5363 Innovation & Creativity

MKTG 5433 Consumer and Market Research

MKTG 5553 New Product Development and Strategy

SEVI 5993 Entrepreneurship Practicum

WCOB 5023 Sustainability in Business

WCOB 5843 Cross-Sector Collaboration for Sustainability

College of Education and Health Professions

ATTR 5473 Administration in Athletic Training

PBHL 5213 Evaluation of Public Health Programs

PBHL 5533 Theories of Social and Behavioral Determinants of Health

PBHL 5563 Public Health: Practices and Planning

RESM 5463 Sports Facilities Management

College of Engineering

INEG 5453 Systems Engineering and Management

INEG 5623 Analysis of Inventory Systems

Any 5000 level Electrical Engineering 3 credit course

Graduate School and International Education

MSEN 5383 Research Commercialization and Product Development

Total Hours

12