Date Submitted: 10/12/18 2:01 pm

Viewing: ENTSGC : Enterprise Systems Graduate Certificate

Last approved: 05/14/18 9:06 am

Last edit: 10/17/18 11:46 am

Changes proposed by: kboston

Catalog Pages Using
this Program
   Graduate Certificates
   Information Systems (ISYS)

Submitter:	User ID:	**kboston** ~~calison~~	Phone:
575-4622 ~~575-6731~~			

Program Status	Active
Academic Level	Graduate
Type of proposal	Certificate

Select a reason for this modification
Making Minor Changes to an Existing Degree (e.g. changing 15 or fewer hours, changing admission/graduation requirements, adding Focused Study)

Effective Catalog Year	Fall 2019
College/School Code	Walton College of Business(WCOB)
Department Code	**Department of Information Systems(ISYS)** ~~INSY~~
Program Code	ENTSGC
Degree	Graduate Certificate
CIP Code	

In Workflow

1. **WCOB Dean Initial**
2. **GRAD Dean Initial**
3. **Director of Program Assessment and Review**
4. **Registrar Initial**
5. **Institutional Research**
6. **ISYS Chair**
7. **WCOB Curriculum Committee**
8. **WCOB Faculty**
9. **WCOB Dean**
10. **Global Campus**
11. **Provost Review**
12. **University Course and Program Committee**
13. Graduate Committee
14. Faculty Senate
15. Provost Final
16. ADE Licensure Approval
17. Provost's Office-- Notification of Approval
18. Registrar Final
19. Catalog Editor Final

Approval Path

1. 10/09/18 3:09 pm Karen Boston (kboston): Approved for WCOB Dean Initial

2. 10/10/18 7:47 am
   Pat Koski (pkoski):
   Approved for GRAD
   Dean Initial

3. 10/12/18 9:02 am
   Terry Martin
   (tmartin): Approved
   for Provost Initial

4. 10/12/18 1:44 pm
   Alice Griffin
   (agriffin): Rollback
   to Initiator

5. 10/12/18 2:03 pm
   Karen Boston
   (kboston):
   Approved for WCOB
   Dean Initial

6. 10/12/18 2:35 pm
   Pat Koski (pkoski):
   Approved for GRAD
   Dean Initial

7. 10/12/18 2:42 pm
   Alice Griffin
   (agriffin): Approved
   for Director of
   Program
   Assessment and
   Review

8. 10/16/18 5:09 pm
   Lisa Kulczak
   (lkulcza): Approved
   for Registrar Initial

9. 10/17/18 8:35 am
   Gary Gunderman
   (ggunderm):
   Approved for
   Institutional
   Research

10. 10/26/18 6:50 pm
    Rajiv Sabherwal

(rsabherw):
Approved for ISYS
Chair

11. 10/30/18 3:03 pm
Karen Boston
(kboston):
Approved for WCOB
Curriculum
Committee

12. 10/30/18 3:04 pm
Karen Boston
(kboston):
Approved for WCOB
Faculty

13. 10/30/18 3:05 pm
Karen Boston
(kboston):
Approved for WCOB
Dean

14. 10/31/18 3:03 pm
Miran Kang (kang):
Approved for Global
Campus

15. 10/31/18 4:24 pm
Terry Martin
(tmartin): Approved
for Provost Review

History

1. Mar 16, 2015 by
Charlie Alison
(calison)

2. Feb 3, 2017 by
Charlie Alison
(calison)

3. May 14, 2018 by
afrizze

52.1301 - Management Science.

Program Title

Enterprise Systems Graduate Certificate

Program Delivery
Method

On Campus

Online/Web-based

Is this program interdisciplinary?

No

Does this proposal impact any courses from another College/School?

No

What are the total   12
hours needed to
complete the
program?

On-line/Web-based Information

Reason for offering
Web-based Program

This program was approved for 100% online delivery in 2014. Currently it is being offered in one track as
100% (Business Analytics) and as blended (50 to 99%) in the other two tracks (Enterprise Resource Planning
& Information Systems).

Maximum Class Size   25
for Web-based
Courses

Course delivery
mode

Method(s)
Online

Class interaction
mode

Method(s):
Electronic Bulletin Boards

Percent Online

100% with No Required Campus Component

50-99%

Provide a List of
Services Supplied by
Consortia Partners or
Outsourced
Organization

    Lynda.com

Estimate Costs of the   no additional costs
Program over the
First 3 Years

List Courses Taught
by Adjunct Faculty

Upload
Memorandum of
Understanding Forms
(if required)

Program Requirements and Description

Requirements

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 three tracks for the Graduate Certificate in Enterprise Systems: Blockchain Enterprise Systems, Business Analytics, 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 **part-time** Master of Information Systems program **(Professional MIS)** 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** ~~concentrations~~ 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

for all tracks

~~ISYS 5833~~	~~Data Management Systems~~	~~3~~
~~or ISYS 5213~~	~~ERP Fundamentals~~	
ISYS 5103	**Data Analytics Fundamentals**	**3**
or ISYS 5213	**ERP Fundamentals**	
or ISYS 5173	**Course ISYS 5173 Not Found**	

Blockchain **Enterprise** ~~Information~~ **Systems Track** ~~Concentration~~

This **track** ~~concentration~~ 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 **track** ~~concentration~~ will have exposure to fundamental principles of **blockchain, enterprise information systems,** ~~IS, techniques for management~~ and **techniques for management** ~~development of IS projects,~~ and **development of blockchain projects.** ~~effective management and use of relational and dimensional data.~~

Required Courses (9 hours)		9
~~ISYS 511V~~	~~IT Toolkit & Skills Seminar (this course may not be used for the Master of Information Systems Degree)~~	~~3~~
~~ISYS 5423~~	~~Seminar in Systems Development~~	~~3~~
ISYS 5173 Blockchain Fundamentals	Course ISYS 5173 Blockchain Fundamentals Not Found	
ISYS 5133	E Business Development and Analytics	
ISYS 5453	Enterprise Data	
Students should choose 3 hours of coursework from among the following:		3
ISYS 5103	Data Analytics Fundamentals	
ISYS 5213	ERP Fundamentals (recommended)	
ISYS 5463	**Enterprise Transaction Systems**	
ISYS 5833	Data Management Systems	
~~Elective Course~~		
ISYS 5933	Global Technology and Analytics Seminar	
Total Hours		12

~~Students who successfully complete this concentration may be eligible to receive a certificate endorsed by Microsoft~~**Business Analytics** **Track** ~~Concentration~~

This **track** ~~concentration~~ 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** ~~concentration~~ 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** ~~concentration~~ may be eligible to receive a certificate endorsed by the SAS Institute.

Required Courses (9 hours)		9
ISYS 5103	Data Analytics Fundamentals	
ISYS 5503	Decision Support and Analytics	
ISYS 5843	Seminar in Business Intelligence and Knowledge Management	

~~Elective Course~~

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 Masters of Information Systems Degree)	
ISYS 5133	E Business Development and Analytics	
ISYS 5213	ERP Fundamentals	
ISYS 5423	Seminar in Systems Development	
ISYS 5833	Data Management Systems	
Total Hours		12

Enterprise Resource Planning Track ~~Concentration~~

This **track** ~~concentration~~ 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** ~~concentration~~ will have exposure to fundamental principles of ERP and techniques for configuration, implementation, and development of ERP systems. Students completing this **track** ~~concentration~~ 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

~~Elective Course (3 hours)~~

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	**Course ISYS 5173 Blockchain Fundamentals Not Found**	
ISYS 5453	Enterprise Data	
ISYS 5833	Data Management Systems	
ISYS 5933	Global Technology and Analytics Seminar	

Total Hours　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　12

Are Similar Programs available in the area?

　No

Estimated Student Demand for Program	NA
Scheduled Program Review Date	2021-2022

Program Goals and Objectives

Program Goals and Objectives
CRITICAL THINKING/PROBLEM SOLVING **Students who have completed the Graduate Certificate in Enterprise Systems will be able to identify, analyze, compare, and select systems and data to provide solutions to business problems using enterprise technology.** **TECHNICAL COMPETENCE (Discipline Knowledge)** **Students who have completed the Graduate Certificate in Enterprise Systems will be able to develop and implement enterprise solutions to business problems.** ~~NA~~

Learning Outcomes

Learning Outcomes
Learning Objective (CTPS): Students will demonstrate critical thinking and strategic problem solving through classroom projects and/or exams. **Learning Objective (TCDK): Students will demonstrate the ability to design, develop, and utilize enterprise technology appropriately in the context of business applications.** ~~NA~~

Description and justification of the request

Description of specific change	Justification for this change

Description of specific change	Justification for this change
Modify catalog text for the Blockchain Enterprise Systems track and change the name of the Enterprise Systems track to Blockchain Enterprise Systems. Add ISYS 5173, Blockchain Fundamentals to the Blockchain Enterprise Systems track. Add ISYS 5103, Data Analytics Fundamentals to and delete ISYS 5103, Data Analytics Fundamentals from the three hours of electives for the Business Analytics Track. Add ISYS 5173, Blockchain Fundamentals to the ERP Track.	We are updating the ERP curriculum to include blockchains, a current relevant technology affecting enterprise systems.

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (10/12/18 11:41 am): Inserted program goals and student learning outcomes from college's assessment report.

Alice Griffin (agriffin) (10/12/18 1:40 pm): Changed language from concentrations to tracks. There are too few hours in a graduate certificate to provide concentrations. The tracks will be identified on a student's transcript.

Alice Griffin (agriffin) (10/12/18 1:44 pm): Rollback: Please change reason for modification to minor change and resubmit request. Concentrations were changed to tracks per direction from L. Kulczak. This request will remain on campus for approval. To assist, I changed all the concentration language to track and removed the LON.

Lisa Kulczak (lkulcza) (10/16/18 5:09 pm): Renaming an existing track; ISYS course "not found" in approval process for fall 2019.

Alice Griffin (agriffin) (10/17/18 11:46 am): Corrected Department Code from INSY to Department of Information Systems.

Key: 20