ATTACHMENT <u>4C</u>

ADD, CHANGE OR DELETE UNIT, PROGRAM REQUIREMENTS, OR ACADEMIC POLICIES

Complete this form consistent with the instructions in Academic Policy 1622.20. Use the form to add, change, or delete a program or unit or to change program policies. Proposed additions and changes must be consistent with Academic Policies 1100.40 and 1621.10 and any other policies which apply.

<table>
<tr><td colspan="2">SECTION I: Approvals</td></tr>
</table>

_____		_____	
Department / Program Chair	Date Submitted	Graduate Council Chair	Date
_____		_____	
College Dean	Date	Faculty Senate Chair	Date
_____		_____	
Honors College Dean	Date	Provost	Date
_____		_____	
Core Curriculum Committee	Date	Board of Trustees Approval/Notification Date	
_____		_____	
University Course and Programs Committee	Date	Arkansas Higher Education Coordinating Board Approval/Notification Date	
_____			
Vice Provost for Distance Education	Date		
(for on-line programs)			

<table>
<tr><td colspan="2">SECTION II: Profile Data - Required Information and Name Change Information</td></tr>
</table>

Academic Unit: ☐ Major/Field of Study ☐ Minor ☒ Other Unit **GRAD Certificate** _____ ☐ Policy

Level: ☐ Undergraduate ☒ Graduate ☐ Law Effective Catalog Year <u>2014</u>

Program changes are effective with the next available catalog. See Academic Policy Series 1622.20

Current Name **GC, Graduate Certificate in Enterprise Systems**

College, School, Division **WCOB** Department Code **ISYS**

Current Code (6 digit Alpha) **ISESGC** Proposed Code (6 digit Alpha) _____
Prior approval from the Office of the Registrar is required.

☐ Interdisciplinary Program CIP Code **52.1201**
Prior assignment from Office of Institutional Research is required.

Proposed Name _____
When a program name is changed, enrollment of current students reflects the new name.

<table>
<tr><td>SECTION III: Add a New Program/Unit</td></tr>
</table>

☐ For new program proposals, complete Sections II and VII and use as a cover sheet for a full program proposal as described in 'Criteria and Procedures for Preparing Proposals for New Programs in Arkansas.' ADHE
http://www.adhe.edu/divisions/academicaffairs/Pages/academicaffairs.aspx

☐ Program proposal uses courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

<table>
<tr><td>SECTION IV: Eliminate an Existing Program/Unit</td></tr>
</table>

Code/Name _____ Effective Catalog Year _____

No new students admitted to program after Term: ____ Year: _____
Allow students in program to complete under this program until Term: ____ Year: _____

SECTION V: Proposed Changes to an Existing Program or Program Policies

Insert here a statement of the exact changes to be made: <u>Offer the Graduate Certificate in Enterprise Systems online as well as face to face delivery.</u>

Check if either of these boxes apply and provide the necessary signature:

☐ Program change proposal adds courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

☐ Program change proposal deletes courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

Check all the boxes that apply and complete the required sections of the form:

☐Change of Name and Code (Complete only sections I, II, V and VII.)

☐Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

☒Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

☐Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)

☐ Change in Program Policies

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

<u>Beginning around 2001, Information Systems (IS) and Computer Science programs experienced a sharp decline in enrollment which, though improving, has led to a significant gap between the demand for skilled IS professionals and the supply of available talent. Based on analysis of projected growth in IS-related fields, current economic conditions, and the continued shortage of skilled professionals, an opportunity exists to provide a program which enables individuals from any background to gain the knowledge and skills needed to transition to a career in IS, or to provide individuals already in IS careers with knowledge and skills in high-growth IS disciplines.</u>

<u>The proposed online offering of the graduate certificate (in addition to the on campus offering) will provide opportunities to develop knowledge and skills in Enterprise Information Systems, Business Analytics, or Enterprise Resource Planning Systems through hands-on experience with large-scale enterprise systems and real-world data sets. An online certificate will afford access to students who wish to enhance their Enterprise Information Systems, Business Analytics, or Enterprise Resource Planning Systems skills in preparation for the workplace.</u>

SECTION VII: Catalog Text and Format

In the box below, insert the current catalog text which is to be changed, with changes highlighted with the color yellow. Include all proposed changes identified in Section V.   Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate. If you are proposing a new program, give proposed text with all of the elements listed below. If you are proposing modified text, include these elements as appropriate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.
- State eight-semester plan requirements

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

CURRENT CATALOG TEXT

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 concentrations 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 concentrations 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 concentrations
ISYS 5833 Data Management Systems
OR WCOB 5213 ERP Fundamentals

> **Enterprise Information Systems Concentration –** *this 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 concentration 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 concentration 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
>
> **Business Analytics Concentration –** *this 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 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*

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

PROPOSED CATALOG TEXT

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 offered (on campus, blended, and online) 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 concentrations for the Graduate Certificate in Enterprise Systems – Enterprise Information Systems, Business 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 concentrations 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 concentrations
ISYS 5833 Data Management Systems
OR WCOB 5213 ERP Fundamentals

Enterprise Information Systems Concentration – *this 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 concentration 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 concentration 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
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ISYS 5503 Decision Support Systems
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WCOB 5213 ERP Fundamentals
WCOB 5223 ERP Configuration & Implementation
ISYS 5233 ERP Development
Elective Course (3 hours)
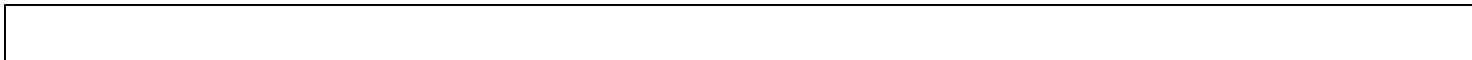Students should choose three hours of coursework from among the following:
ISYS 5113 IT Toolkit *(this course may not be used for the Master of Information Systems Degree)*
ISYS 5833 Data Management Systems
ISYS 5933 Global IS
ISYS 5943 Management of Information Technology
ISYS 5453 Introduction to Enterprise Servers

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____   SUBJ _____   CIP _____   CRTS _____

DGRE _____   PGCT _____   OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____   REQ. DEF.

Initials _____   Date _____

Distribution

Notification to:
(1) College   (2) Department   (3) Admissions   (4) Institutional Research   (5) Continuing Education   (6) Graduate School
(7) Treasurer   (8) Undergraduate Program Committee

8/19/13