

**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.

**SECTION I: Approvals**

<u>Rajiv Sabherwal</u>	<u>11/28/2011</u>	_____	_____
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	
_____	_____	_____	

**SECTION II: Profile Data - Required Information and Name Change Information**

Academic Unit:     Major/Field of Study     Minor     Other Unit GRAD     Policy

Level:             Undergraduate     Graduate     Law    Effective Catalog Year \_\_\_\_\_

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

Current Name            None

College, School, Division WCOB

Department Code ISYS

Current Code (6 digit Alpha) NONE

Proposed Code (6 digit Alpha)    ISESGC  
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 Graduate Certificate in Enterprise Systems

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

**SECTION III: Add a New Program/Unit**

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/aa\\_academicproposals.aspx](http://www.adhe.edu/divisions/academicaffairs/Pages/aa_academicproposals.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: \_\_\_\_\_

**SECTION IV: Eliminate an Existing Program/Unit**

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: \_\_\_\_\_

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.)*

The demand for skilled professionals in information systems (IS) continues to outpace the supply of qualified applicants. Educated professionals in non-IS disciplines are increasingly seeking opportunities to develop the knowledge and skills needed to transition into a career in this exciting and rewarding field. Additionally, IS professionals continue to seek opportunities to expand their knowledge and skills to more effectively position themselves for career growth.

## **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  
Graduate Certificate in Enterprise Systems
- Briefly define or describe the major/program or discipline.  
The Graduate Certificate in Enterprise Systems is a part-time program designed to provide graduate students knowledge of and experience with information systems used in modern enterprise environments. Students who complete the Graduate Certificate in Enterprise Systems will gain experience with large-scale information systems used in modern enterprises, knowledge of the processes by which systems are selected and implemented, and exposure to real-world data sets.
- Identify typical career goals or paths for graduates. (Optional)  
Career paths will vary based on the area of study chosen within the program, but can lead to excellent opportunities in ERP consulting and implementation, business intelligence & analytics, system development, and project management.
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.  
Students must meet minimum requirements for admission to the University of Arkansas Graduate School and the Graduate School of Business. GMAT/GRE requirements are waived for admission into the Graduate Certificate in Enterprise Systems program. Students in the certificate program who maintain a GPA of 3.5 or higher and subsequently apply to the Master of Information Systems program will not be required to submit a GMAT/GRE score.
- 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.  
Per ADHE Certificate policy, students complete 12 hours of graduate level courses as specified by the requirements listed in the graduate catalog.
- 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.  
1 required course – 3 credit hours, 2 additional required courses (depending on the chosen concentration) – 6 credit hours, 3 credit hours of elective courses selected from a menu of approved courses in concentration-related disciplines.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).

Students must earn a grade of ‘B’ or better for all courses used to fulfill requirements of the Graduate Certificate in Enterprise Systems.

- Identify name and requirements for each concentration (if any).

**Enterprise Information Systems Area of Study**

**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**

**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**

**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

- Specify whether a minor or other program component is allowed or required and provide details.  
Student may not be concurrently enrolled in other graduate degree programs. Up to 12 approved credit hours earned in this program may be applied toward Master of Information Systems degree requirements.
- State eight-semester plan requirements  
Graduate Certificate in Enterprise Systems plan by area of study

<b>Enterprise Information Systems</b>	<b>Enterprise Analytics</b>	<b>Enterprise Resource Planning</b>
Summer – ISYS 5113 (Required) Approved Elective Course (3 or 6 CH)	Fall – ISYS 5833 (Required) Approved Elective Course (3 or 6 CH)	Summer – WCOB 5213 (Required) Approved Elective Course (3 or 6 CH)
Fall – ISYS 5833 (Required) ISYS 5423 (Required) (6 CH)	Spring – ISYS 5503 (Required) Approved Elective Course (3 or 6 CH)	Fall – WCOB 5223 (Required) Approved Elective Course (3 or 6 CH)
Spring – Approved Elective Course (0 or 3 CH)	Summer – Approved Elective Course (0 or 3 CH) Fall – ISYS 5843 (Required) Approved Elective Course (3 or 6 CH)	Spring – ISYS 5233 (Required) Approved Elective Course (3 or 6 CH)

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.  
Requirements for the Graduate Certificate in Enterprise Systems – U. of Arkansas Fayetteville

Students must earn a grade of 'B' or better for all courses used to fulfill the requirements of the Graduate Certificate in Enterprise Systems.

Credit Hours	Courses
3	ISYS 5833 Data Management <u>or</u> WCOB 5213 ERP Fundamentals
6	Additional requirements based on selected area of study
3	Elective courses chosen based on selected area of study

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

**For centers, prepare text consistent with current catalog style.**

### **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 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 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

**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

5/12/08