

Date Submitted: 10/09/18 2:00 pm

Viewing: **INSYMI : Information Systems, Master of Information Systems**

Last approved: 11/27/17 12:18 pm

Last edit: 11/07/18 10:38 am

Changes proposed by: kboston

Catalog Pages Using  
this Program

[Information Systems \(ISYS\)](#)

Submitter: User ID: **cronan calison** Phone:  
**575-6130 575-6731**

Program Status Active

Academic Level Graduate

Type of proposal Major/Field of Study

Select a reason for this modification

Changing Name of Existing Certificate, Degree, Major, Option or Organizational Unit—  
(LON 1)

Are you adding a concentration?

Yes

Concentration(s):

### In Workflow

1. WCOB Dean Initial
2. GRAD Dean Initial
3. Provost Initial
4. Director of Program Assessment and Review
5. Registrar Initial
6. Institutional Research
7. ISYS Chair
8. WCOB Curriculum Committee
9. WCOB Faculty
10. ENGR Dean
11. WCOB Dean
12. Global Campus
13. Provost Review
14. University Course and Program Committee
15. Graduate Committee
16. Faculty Senate
17. Provost Final
18. ADE Licensure Approval
19. Provost's Office-- Documentation sent to System Office
20. Higher Learning Commission
21. Board of Trustees
22. ADHE Final
23. Provost's Office-- Notification of Approval

24. Registrar Final
25. Catalog Editor Final

### Approval Path

1. 10/09/18 3:09 pm  
Karen Boston  
(kboston):  
Approved for WCOB  
Dean Initial
2. 10/10/18 7:46 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 2:58 pm  
Alice Griffin  
(agriffin): Approved  
for Director of  
Program  
Assessment and  
Review
5. 10/16/18 5:18 pm  
Lisa Kulczak  
(lkulcza): Approved  
for Registrar Initial
6. 10/17/18 8:35 am  
Gary Gunderman  
(ggunderm):  
Approved for  
Institutional  
Research
7. 10/17/18 9:20 am  
Rajiv Sabherwal  
(rsabherw):  
Approved for ISYS  
Chair

8. 10/17/18 11:13 am  
Karen Boston  
(kboston):  
Approved for WCOB  
Curriculum  
Committee
9. 10/17/18 11:17 am  
Karen Boston  
(kboston):  
Approved for WCOB  
Faculty
10. 10/17/18 3:24 pm  
Norman Dennis  
(ndennis): Approved  
for ENGR Dean
11. 10/17/18 3:27 pm  
Karen Boston  
(kboston):  
Approved for WCOB  
Dean
12. 10/18/18 8:37 am  
Miran Kang (kang):  
Approved for Global  
Campus
13. 10/18/18 9:31 am  
Terry Martin  
(tmartin): Approved  
for Provost Review
14. 10/29/18 10:45 am  
Alice Griffin  
(agriffin): Approved  
for University  
Course and Program  
Committee
15. 11/16/18 9:10 am  
Pat Koski (pkoski):  
Approved for  
Graduate  
Committee

## History

1. Jun 10, 2015 by Charlie Alison (calison)
2. May 15, 2017 by tjhampt
3. Sep 28, 2017 by Lisa Kulczak (lkulcza)
4. Nov 27, 2017 by Lisa Kulczak (lkulcza)

Action	Code	Title
Add new	INSY-ITMT	Information Technology Management
Add new	INSY-ERPM	Enterprise Resource Planning <del>(ERP)</del> -Management
<b>Change Existing</b> <del>Add new</del>	INSY-ESMT	<b>Blockchain</b> Enterprise Systems <del>(ES)</del> -Management
Add new	INSY-SEMT	Software Engineering Management

Are you adding a track? No

Are you adding a focused study? No

Effective Catalog Year Fall 2019

College/School Code Walton College of Business(WCOB)

Department Code Department of Information Systems(ISYS)

Program Code INSYMI

Degree Master of Information Systems

CIP Code

52.1301 - Management Science.

Program Title

Information Systems, Master of Information Systems

Program Delivery

Method

On Campus

Off Campus

Online/Web-based

Is this program interdisciplinary?

No

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

Yes

College(s)/School(s)

**College/School Name**

College of Engineering(ENGR)

What are the total hours needed to complete the program?

30

## Off Campus Information

Off Campus

Location(s)

Location Name	Address	Distance from Main Site
previously provided	previously provided	previously provided

Reason for Offering

Program Off Campus

This change is simply a clean up since this program was approved for hybrid/online delivery more than ten years ago. There are no changes to the program

Fifty percent of the credits required will be offered

Both - off-campus location and distance technology

Will Students complete all Program Requirements at this Location?

Yes

Upload

Memorandum of Understanding Forms (if required)

## On-line/Web-based Information

Reason for offering  
Web-based Program

NA

Maximum Class Size 50  
for Web-based  
Courses

Course delivery  
mode

**Method(s)**

Online

Class interaction  
mode

**Method(s):**

Electronic Bulletin Boards

Percent Online

50-99%

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

NA

Estimate Costs of the 50  
Program over the  
First 3 Years

List Courses Taught  
by Adjunct Faculty

Upload  
Memorandum of  
Understanding Forms  
(if required)

## **Program Requirements and Description**

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Requirements

**The Master of Information Systems is designed to provide professional preparation for positions in business and government. It provides sufficient flexibility to meet the needs of students with various backgrounds and foster lifelong learning and innovation. Students may concentrate in one of four areas: Information Technology Management, Enterprise Resource Planning Management, Blockchain Enterprise Systems Management, or Software Engineering Management.**

**Admission Requirements:** The Master of Information Systems program is open to students who have earned a bachelor's degree from an accredited institution and who can present evidence of their ability to do graduate work. "Evidence of ability" means superior grade-point average, an acceptable test score on the Graduate Management Admission Test (GMAT) or Graduate Record Exam (GRE), and recommendations with respect to ability for successful pursuit of graduate-level work. International applicants and resident aliens must submit an acceptable TOEFL or IELTS score, or complete the Intensive English Language Program (Spring International Language Center) and receive an English proficiency recommendation for admission. Other admissions criteria can be considered on a case by case basis.

**Requirements for the Master of Information Systems Degree:** Students whose previous studies have fulfilled requirements of the common body of knowledge in business and information systems will be required to complete a minimum of 30 hours of graduate work. The required common body of knowledge in Information Systems includes management information systems, systems analysis, database, and programming languages (such as Visual Basic, Java, or other).

To ensure that students acquire the skills necessary for career success, the M.I.S. program strongly encourages all students to obtain additional training directly related to the M.I.S. program prior to graduation. The M.I.S. program considers this training an integral part of the curriculum and recommends that students work for up to one year in a position (or positions) which allow for the practical application of the theoretical principles taught in M.I.S. courses.

Students who hold non-immigrant status in the United States in the F-1 or J-1 categories are responsible for coordinating any necessary authorization for employment with the Office of International Students and Scholars (ISS). F-1 and J-1 students are strongly advised to discuss training options with the M.I.S. Program Director and the ISS office early in their program, and to make themselves aware of limitations and restrictions related to F-1 or J-1 employment authorization benefits.

Pre-M.I.S.

<a href="#"><u>ISYS 511V</u></a>	IT Toolkit & Skills Seminar (This course may not be used for the Master of Information Systems degree.)	9
<b>Core Courses</b>		
<a href="#"><u>ISYS 5423</u></a>	Seminar in Systems Development	
<a href="#"><u>ISYS 5833</u></a>	Data Management Systems	
<a href="#"><u>ISYS 5943</u></a>	Management of Information Technology Seminar	
<b>Areas of Concentration</b>		<b>15</b>
Select one of the following concentrations:		
Information Technology Management		
<a href="#"><u>ISYS 5213</u></a>	ERP Fundamentals	

ISYS 5503 Decision Support and Analytics

Computing Electives (9 hours) selected from approved ISYS and CSCE

## Enterprise Resource Planning (ERP) Management

ISYS 5213 ERP FundamentalsISYS 5223 ERP Configuration and ImplementationISYS 5233 Seminar in ERP Development

Select six hours from the following:

ISYS 5103 Data Analytics FundamentalsISYS 5133 E Business Development and Analytics**ISYS 5173 Blockchain Fundamentals Course ISYS 5173 Blockchain Fundamentals Not Found**ISYS 5453 Enterprise DataISYS 5503 Decision Support and AnalyticsISYS 5843 Seminar in Business Intelligence and Knowledge Management

## Blockchain Enterprise Systems (BES) Management

ISYS 5133 E Business Development and Analytics**ISYS 5173 Blockchain Fundamentals Course ISYS 5173 Blockchain Fundamentals Not Found**ISYS 5453 Enterprise Data

Select six hours from the following:

ISYS 5103 Data Analytics FundamentalsISYS 5213 ERP FundamentalsISYS 5463 Enterprise Transaction SystemsISYS 5503 Decision Support and AnalyticsISYS 5843 Seminar in Business Intelligence and Knowledge Management

## Software Engineering Management

ISYS 5133 E Business Development and AnalyticsISYS 5503 Decision Support and Analytics

Select nine hours from the following:

CSCE 3513 Software Engineering~~CSCE 4323 Formal Languages and Computability~~**CSCE 5173 Formal Languages and Computability**CSCE 5323 Computer Security

ISYS or CSCE courses (approved by Director)

Electives

6

Total Hours

30

**M.I.S. (Part-time):** The Department of Information Systems also provides an opportunity for professionals in the workplace to complete the program by taking 6 hours per semester; 5 semester program with Enterprise Resource Planning (ERP) Management and Enterprise Systems (ES) Management concentrations. Contact the department for additional information or visit <http://gsb.uark.edu/>.

Electives are chosen by the student in consultation with the Master of Information Systems Program Director in the Department of Information Systems (ISYS). Approved electives (6 hours) may be any graduate course



approved by the Master of Information Systems Program Director.

With the approval of the Master of Information Systems Program Director, any senior-level ISYS course (ISYS 4000+) may be taken for graduate credit. After admission, the student must maintain a 3.00 grade-point average on all graduate coursework and all information systems coursework. Additionally, the student must receive a letter grade of at least a "B" in 75 percent of the courses attempted.

For the M.I.S. (part-time), approval of the Director is required to enroll in more than six hours per semester.

#### Are Similar Programs available in the area?

No

Estimated Student      NA

Demand for Program

Scheduled Program      NA

Review Date

Program Goals and

Objectives

#### Program Goals and Objectives

**The Master of Information System (MIS) program provides preparation for the business student at the graduate level to master information systems technology and achieve success in their careers in business/government/and industry. Student entering the MIS program are expected to have a working knowledge of information technology/as well as business. The MIS program of coursework enhances/broadens/extends/and integrates the student's knowledge of information technology and business concepts in order to solve business problems and support decision making. NA**

Learning Outcomes

#### Learning Outcomes

### Learning Outcomes

#### COMMUNICATION

**Learning Goal:** Graduates of the MIS programs at the Sam M. Walton College of Business will be able to communicate effectively in professional situations.

**Learning Objective 1 (Oral Communication):** Students will be able to deliver effective presentations.

**Learning Objective 2 (Written Communication):** Students will show proficiency in writing and organizing professional communications.

#### CRITICAL THINKING/PROBLEM SOLVING

**Learning Goal:** Graduates of the MIS programs at the Sam M. Walton College of Business will be able to employ ethical problem solving and strategic decision making approaches to information system challenges.

**Learning Objective 1 (Decision Making):** Students will employ industry-accepted problem solving and decision making skills for IT problems/as well as the ability to evaluate and propose alternative solutions to managers and users.

**Learning Objective 2 (Ethical Problem Solving):** Students will demonstrate ethical problem solving approaches to IT challenges and opportunities faced by today's businesses in achieving their goals

#### TECHNICAL COMPETENCE (Discipline Knowledge)

**Learning Goal:** Graduates of the MIS programs at the Sam M. Walton College of Business will be will be knowledgeable of the application of information technology and business concepts.

**Learning Objective:** Students will demonstrate the ability to identify, assimilate, synthesize, and analyze the information technology needs, make

2 of 3

recommendations, design, and develop IT transaction systems and decision support systems for the organization.

#### TEAM WORK

**Learning Goal:** Graduates of the MIS programs at the Sam M. Walton College of Business will be effective at working in team environment.

**Learning Objective:** Students will demonstrate effective interpersonal communication skills as a part of a team ~~NA~~

Description and justification of the request

Description of specific change	Justification for this change

Description of specific change	Justification for this change
Change name of Enterprise Systems concentration to Blockchain Enterprise Systems (BES) concentration. Add ISYS 5173, Blockchain Fundamentals to the Blockchain Enterprise (BES) Management and Enterprise Resource Planning (ERP) concentrations list of elective options. Add ISYS 5503, Decision Support and Analytics to the Blockchain Enterprise Systems (BES) Management concentration list of electives.	We are updating the ERP curriculum to include blockchains, a current relevant technology affecting enterprise systems.

Upload attachments

[INSYMI-ESMT - Name Change - Ltr of Notification.docx](#)

Reviewer Comments

**Alice Griffin (agriffin) (10/12/18 1:55 pm):** Added "Management" to Software Engineering in Program Requirements. Also indented ISYS 5173.

**Alice Griffin (agriffin) (10/12/18 2:38 pm):** Inserted program goals and learning outcomes from assessment report.

**Alice Griffin (agriffin) (10/12/18 2:57 pm):** Updated course titles to match official course title in course inventory in LON. Renamed document to match BOT naming convention.

**Lisa Kulczak (lkulcza) (10/16/18 5:18 pm):** Approved concentrations already exist in UAConnect, so no new concentrations are being proposed; current proposal is to change the name of one of the concentrations. ISYS course "not found" is in approval process for fall 2019

Key: 458