

Date Submitted: 10/09/20 4:47 pm

Viewing: **ISYSPH : Business Administration**  
**(Information Systems), (ISYS); Doctor of**  
**Philosophy**

Last approved: 03/06/18 11:45 am

Last edit: 10/23/20 4:12 pm

Changes proposed by: kboston

Catalog Pages Using  
this Program

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

Submitter: User ID: **kboston crsleaf1** Phone:  
**575-4622 575-6731**

Program Status Active

Academic Level Graduate

Type of proposal Major/Field of Study

Select a reason for this modification

Revising Curriculum of an Existing Certificate or Degree Program--(LON)

Are you adding a concentration?

No

Are you adding or modifying a track?

No

Are you adding or modifying a focused study?

No

Effective Catalog Year Fall 2021

College/School Code

Walton College of Business (WCOB)

### 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. WCOB Dean
11. Global Campus
12. Provost Review
13. University Course and Program Committee
14. Graduate Committee
15. Faculty Senate
16. Provost Final
17. Provost's Office-- Documentation sent to System Office
18. Higher Learning Commission
19. Board of Trustees
20. ADHE Final
21. Provost's Office-- Notification of Approval
22. Registrar Final
23. Catalog Editor Final

## Department Code

Department of Information Systems (ISYS)

## Program Code

ISYSPH

## Degree

Doctor of Philosophy

## CIP Code

**Approval Path**

1. 02/28/19 4:49 pm  
Karen Boston  
(kboston):  
Approved for WCOB  
Dean Initial
2. 02/28/19 4:53 pm  
Pat Koski (pkoski):  
Approved for GRAD  
Dean Initial
3. 03/07/19 7:51 am  
Terry Martin  
(tmartin): Approved  
for Provost Initial
4. 03/07/19 5:11 pm  
Alice Griffin  
(agriffin): Rollback  
to Initiator
5. 10/08/20 2:23 pm  
Karen Boston  
(kboston):  
Approved for WCOB  
Dean Initial
6. 10/08/20 5:06 pm  
Pat Koski (pkoski):  
Rollback to Initiator
7. 10/09/20 11:38 am  
Karen Boston  
(kboston):  
Approved for WCOB  
Dean Initial
8. 10/09/20 12:04 pm  
Pat Koski (pkoski):  
Approved for GRAD  
Dean Initial
9. 10/09/20 2:59 pm  
Alice Griffin  
(agriffin): Rollback  
to Initiator

10. 10/09/20 4:48 pm  
Karen Boston  
(kboston):  
Approved for WCOB  
Dean Initial
11. 10/09/20 4:51 pm  
Pat Koski (pkoski):  
Approved for GRAD  
Dean Initial
12. 10/12/20 1:13 pm  
Terry Martin  
(tmartin): Approved  
for Provost Initial
13. 10/12/20 2:57 pm  
Alice Griffin  
(agriffin): Approved  
for Director of  
Program  
Assessment and  
Review
14. 10/12/20 3:26 pm  
Lisa Kulczak  
(lkulcza): Approved  
for Registrar Initial
15. 10/12/20 4:04 pm  
Gary Gunderman  
(ggunderm):  
Approved for  
Institutional  
Research
16. 10/12/20 7:57 pm  
Rajiv Sabherwal  
(rsabherw):  
Approved for ISYS  
Chair
17. 10/12/20 8:00 pm  
Karen Boston  
(kboston):  
Approved for WCOB

- Curriculum  
Committee
18. 10/12/20 8:01 pm  
Karen Boston  
(kboston):  
Approved for WCOB  
Faculty
  19. 10/12/20 8:02 pm  
Karen Boston  
(kboston):  
Approved for WCOB  
Dean
  20. 10/13/20 8:56 am  
Suzanne Kenner  
(skenner): Approved  
for Global Campus
  21. 10/13/20 10:43 am  
Terry Martin  
(tmartin): Approved  
for Provost Review
  22. 10/23/20 4:13 pm  
Myrlinda Soedjede  
(myrlinda):  
Approved for  
University Course  
and Program  
Committee
  23. 11/23/20 3:22 pm  
Pat Koski (pkoski):  
Approved for  
Graduate  
Committee

## History

1. Aug 14, 2014 by  
Leepfrog  
Administrator  
(clhelp)
2. Mar 6, 2018 by  
Charlie Alison

52.0201 - Business Administration and Management, General.

Program Title

Business Administration (**Information Systems**), (~~ISYS~~); Doctor of Philosophy

Program Delivery

Method

On Campus

Is this program interdisciplinary?

No

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

No

What are the total **70** ~~43~~  
hours needed to  
complete the  
program?

## Program Requirements and Description

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### Requirements

Admission Requirements: In addition to the university's Graduate School and Walton College of Business' Graduate School of Business requirements, the ISYS Ph.D. program has the following requirement: Applicants are expected to have a background in information systems via prior courses in topics such as a programming language, systems analysis, design, and development, and database processing. Students without the background may also be admitted but will likely be required to take up to 3 master's level courses to remedy the deficiency.

**Requirements:** Requirements for the Ph.D. in **Business Administration (Information Systems)** ~~business administration with concentration in information systems~~ include **required courses in information core courses and elective courses in information** systems, **research, and research tools, and** supporting fields. These **70** ~~43~~ credit hours of courses are taken prior to advancing to candidacy and are broken down as follows: ~~research tools (9 hours); ISYS core courses (21 hours); and supporting field courses (13 hours).~~ Also, there is a requirement that ~~students satisfactorily complete a one-hour Graduate Colloquium during the fall and spring semesters of each year when students are in residence on campus in pursuit of the degree.~~ **Information Systems required courses (21 hours); research requirements (21 hours) and supporting field courses (10 hours).** Following completion of the coursework, students must pass a **candidacy comprehensive** examination. The program also requires completion of 1st and 2nd year summer research projects, defense of a dissertation proposal, and successful defense of the dissertation (18 credit hours). Students are also prepared for a career in research through

research assistantships, collaborative research projects with faculty members, colloquia, and classroom teaching and support.

## Course Requirements

### Research Tools

ISYS-5203

ISYS-5623

### Required Courses

ISYS 6133

ISYS-6233

ISYS 6333

ISYS-6433

ISYS 6373 SOCIAL NETWORKS IN INFORMATION SYSTEMS RESEARCH

ISYS 6533

ISYS-6633

ISYS-6733

ISYS 6743 QUALITATIVE AND QUANTITATIVE METHODS IN RESEARCH

ISYS 6753 MANAGEMENT OF KNOWLEDGE AND INFORMATION SYSTEMS

ISYS 6833

### Research Requirements

ISYS 601V

ISYS 5723

### Information Systems Core Courses

Select seven of the following:

**6 hours of Research Electives to be chosen in consultation with the PhD Coordinator**

### Supporting Fields

In addition to the WCOB 6111 Teaching Seminar and MGMT 6213 Research Methods Seminar, courses to meet this requirement will be determined in consultation with the ISYS-Ph.D. program committee (courses must be at the Ph.D. level, unless otherwise approved by the ISYS-Ph.D. program committee). These courses are normally taken outside the ISYS Department and are in the student's area(s) of interest.

WCOB 6111

Experimental Design

Course ISYS-5623 Not Found

Survey of IS Research

Course ISYS-6233 Not Found

Individual-level Research in IS

Course ISYS-6433 Not Found

Course ISYS 6373 SOCIAL NETWORKS IN INFORMATION SYSTEMS RESEARCH Not Found

Macro- and Meso-level IS Research

Systems Development

Emerging Topics

Course ISYS 6743 QUALITATIVE AND QUANTITATIVE METHODS IN RESEARCH Not Found

Course ISYS 6753 MANAGEMENT OF KNOWLEDGE AND INFORMATION SYSTEMS Not Found

Theory Development

Graduate Colloquium

Advanced Multivariate Analysis

3

21

21

21

10

13

Seminar in Business

**MGMT 6213**

**Seminar in Research Methods 3**

**Comprehensive Examination**

- Written exam, research tools and IS (at the end of all coursework)
- Oral exam

**Summer Research Requirements**

- 1st summer paper
- 2nd summer (to include a round of feedback and revision)

**Dissertation Requirements**

- Successful defense of Dissertation proposal 1
- Successful defense of Dissertation 1

**Other Ph.D. Courses Taken**

Students may take up to 9 hours of other Ph.D. courses, as necessary. 9

**Masters Level Courses**

Students typically without an information systems background will be required to take some Masters courses prior to taking their comprehensive examinations. These courses do not count toward the Ph.D. degree and are taken to remedy deficiencies. The ISYS Ph.D. program committee will determine whether a student needs to take one or more of these courses. The specific courses are:

- ISYS 5423 Seminar in Systems Development
- ISYS 5503 Decision Support and Analytics
- ISYS 5833 Data Management Systems

**9 hours of Electives to be chosen in consultation with PhD Coordinator**

**Dissertation 18**

**ISYS 700V Doctoral Dissertation**

Total Hours 70

**Alternative courses may be used for substitution upon availability and with coordinator consent.**

**Candidacy Examination**

Students must satisfactorily complete a first and second year summer research project. The candidacy exam comprises two parts: Research tools and Information Systems core. The written exam is administered in the summer after two years of coursework. If she or he fails, the student will have to re-take the exam during the next administration of the exam. This includes students having to re-take only parts of the exam. Students also must satisfactorily pass an oral exam upon successful completion of the written exam. Ordinarily, only one re-take of the written exam (part or whole) and/or oral exam is permitted.

**Residence Requirement** There is a strong preference for students to be in residence — i.e., be full-time students with assistantship duties — during the entire program. Residence requirements are intended to ensure that every student has ample opportunity for the intellectual development that can result from a sustained period of intensive study and close association with scholars in the intellectual environment of the university. The requirement recognizes that growth as an independent scholar is not merely a matter of class attendance, but rather involves a broader development of the intellect that comes through intensive study, independent

research, sustained association with faculty members and other colleagues who share common scholarly and professional interests, attendance at seminars and colloquia, intensive reading and familiarization with library resources, consultation with specialists in other disciplines and resource centers, and the opportunity for broadened exposure to current intellectual issues as they are revealed in various campus offerings. **Students must complete After filing a minimum Declaration of 72 graduate credit hours beyond Intent to pursue the bachelor's degree and 42 graduate credit hours beyond doctoral degree, a student must fulfill a residence requirement as outlined in the master's degree. For students who apply to the degree program without a master's degree, a minimum Graduate Catalog section on doctors of 2 additional credit hours in consultation with the Ph.D. philosophy and education degrees- coordinator will be required to fulfill the full degree requirements to include approved graduate courses. Additional hours may be assessed in individual cases to meet specific coursework deficiencies.**

± ~~Minimum committee size: 4~~

**For a complete list of University Graduate School and International Education degree requirements, please visit their website at: <http://catalog.uark.edu/graduatecatalog/objectivesandregulations/>**

Are Similar Programs available in the area?

No

Estimated Student Demand for Program **5 NA**

Scheduled Program Review Date **2021-2022 NA**

Program Goals and Objectives

**Program Goals and Objectives**

**The primary goal of the ISYS PhD program is to prepare students for a future career in academe. Our objectives are to teach students how to conduct and write quality academic research related to information systems to contribute to knowledge in the field. We prepare students to teach Information Systems courses. The program focuses on topics of behavioral Information Systems research as well as analytics and economics.**

**NA**

Learning Outcomes

**Learning Outcomes**



**Learning Outcomes**

**The students will learn:**

- how to understand and develop theories
- how to communicate their ideas and research to audiences such as researchers, practitioners, and students
- how to develop methodological and conceptual skills to carry out scientific research
- the skills and techniques necessary to teach a variety of ISYS and/or analytics courses.

NA

Description and justification of the request

<b>Description of specific change</b>	<b>Justification for this change</b>
<ul style="list-style-type: none"> <li>- Modified text describing the program</li> <li>- Deleted the masters level research tools courses ISYS 5203 Experimental Design ISYS 5623 Multivariate Analysis ISYS 5723 Advanced Multivariate Analysis</li> <li>- Changed Information Systems Core Courses to Required Courses</li> <li>- Added the following required courses: ISYS 6373 Social Networks in Information Systems Research ISYS 6743 Qualitative &amp; Quantitative Methods in Process Research ISYS 6753 Management of Knowledge and Information Systems</li> <li>- Modified name and description change to ISYS 6533</li> <li>- Deleted the following courses from the Required Courses ISYS 6433 Team-level Research in IS ISYS 6633 Systems Development</li> <li>- Clarified ISYS 6733, Emerging Topics to be repeated for six hours</li> <li>- Move ISYS 601V, Graduate Colloquium to Research Requirements for 12 hours</li> <li>- In Research Requirements, add six hours of Research Electives to be chosen in consultation with PhD Coordinator</li> <li>- Delete MGMT 6213, Research Methods Seminar from Research Requirements</li> </ul>	<p>To align and clarify PhD program requirements to meet ADHE standards.</p>

Description of specific change	Justification for this change
<ul style="list-style-type: none"> <li>- In Supporting Courses, add nine hours of Electives to be chosen in consultation with PhD Coordinator</li> <li>- Delete specific text otherwise (residence requirements, noted in the Graduate School website link</li> <li>- Delete the masters level courses ISYS 5423 Seminar in Systems Development ISYS 5503 Decision Support and Analytics ISYS 5833 Data Management Systems</li> <li>- Changed the language from comprehensive examinations to candidacy examinations</li> <li>- Clarified candidacy exam requirements</li> <li>- Clarified total hour requirements</li> <li>- Clarified minimum of 72 graduate hours beyond the bachelors and 42 graduate hours beyond the master's degree.</li> </ul>	

#### Upload attachments

[BADMPH-ISYS - Curriculum Revision - Curriculum.docx](#)

[BADMPH-ISYS - Curriculum Revision - Ltr of Notification.pdf](#)

#### Reviewer Comments

**Alice Griffin (agriffin) (03/07/19 5:11 pm):** Rollback: Roll back per submitter's request.

**Pat Koski (pkoski) (10/08/20 5:06 pm):** Rollback: Does this still require a standardized exam for admission?

**Alice Griffin (agriffin) (10/09/20 2:59 pm):** Rollback: Rolling back per request from submitter.

**Alice Griffin (agriffin) (10/12/20 2:22 pm):** Changed effective date from fall 2020 to fall 2021.

**Alice Griffin (agriffin) (10/12/20 2:25 pm):** Inserted the Admission Requirements, estimated student demand, scheduled program review date, program goals, and learning outcomes sent from the submitter.

**Alice Griffin (agriffin) (10/12/20 2:46 pm):** Revised course title ISYS 6753 to match course title submitted into Course Inventory.

**Alice Griffin (agriffin) (10/12/20 2:51 pm):**

**Alice Griffin (agriffin) (10/12/20 2:55 pm):** Revised LON with input from submitter. Renamed documents to match BOT naming convention.