

Date Submitted: 10/26/18 11:47 am

## Viewing: **ISYSBS-BUAN : Information Systems: Business Analytics Concentration**

Last approved: 04/02/18 10:03 am

Last edit: 10/30/18 4:52 pm

Changes proposed by: kboston

Catalog Pages Using

this Program

[Information Systems B.S.B.A. with Business Analytics Concentration](#)[Information Systems \(ISYS\)](#)

Submitter: 54622      User ID: kboston      Phone:

Program Status: Active

Academic Level: Undergraduate

Type of proposal: Major/Field of Study

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)

Are you adding a concentration?

**No** ~~Yes~~

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

### In Workflow

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

### Approval Path

1. 10/26/18 11:50 am  
Karen Boston (kboston):  
Approved for WCOB Dean Initial
2. 10/30/18 4:53 pm  
Alice Griffin (agriffin): Approved

## Department of Information Systems(ISYS)

Program Code           ISYSBS-BUAN  
 Degree                   Bachelor of Science in Business Administration  
 CIP Code

for Director of  
 Program  
 Assessment and  
 Review

3. 11/01/18 12:17 pm  
 Lisa Kulczak  
 (lkulcza): Approved  
 for Registrar Initial
4. 11/01/18 12:20 pm  
 Gary Gunderman  
 (ggunderm):  
 Approved for  
 Institutional  
 Research
5. 11/01/18 12:23 pm  
 Rajiv Sabherwal  
 (rsabherw):  
 Approved for ISYS  
 Chair
6. 11/01/18 2:09 pm  
 Karen Boston  
 (kboston):  
 Approved for WCOB  
 Curriculum  
 Committee
7. 11/01/18 2:10 pm  
 Karen Boston  
 (kboston):  
 Approved for WCOB  
 Faculty
8. 11/01/18 2:11 pm  
 Karen Boston  
 (kboston):  
 Approved for WCOB  
 Dean
9. 11/05/18 12:48 pm  
 Miran Kang (kang):  
 Approved for Global  
 Campus

10. 11/05/18 1:52 pm  
Terry Martin  
(tmartin): Approved  
for Provost Review
11. 11/16/18 4:06 pm  
Alice Griffin  
(agriffin): Approved  
for University  
Course and Program  
Committee

### History

1. May 19, 2015 by  
Karen Boston  
(kboston)
2. May 25, 2017 by  
Karen Turner  
(kjvestal)
3. Apr 2, 2018 by Gina  
Daugherty  
(gdaugher)

52.1301 - Management Science.

#### Program Title

Information Systems: Business Analytics Concentration

#### 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 hours needed to complete the program?  
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## Program Requirements and Description

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### Requirements

### Business Analytics Concentration

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<a href="#">ISYS 4193</a>	Business Analytics and Visualization	3
<a href="#">ISYS 4293</a>	Business Intelligence	3
<b>3 hour 3000/4000 level ISYS or Business Elective</b>		<b>3</b>
Total Hours		9

#### 8-Semester Plan

First Year	Units
	FallSpring
<a href="#">ENGL 1013</a> Composition I (ACTS Equivalency = ENGL 1013)	3
<a href="#">MATH 2053</a> Finite Mathematics	3
<a href="#">COMM 1313</a> Public Speaking (ACTS Equivalency = SPCH 1003)	3
<a href="#">WCOB 1111</a> Freshman Business Connection	1
<a href="#">BLAW 2013</a> The Legal Environment of Business (ACTS Equivalency = BLAW 2003)	3
<a href="#">ISYS 1120</a> Computer Competency Requirement	0
U.S. History or Political Science - University Core	3
<a href="#">ENGL 1023</a> Composition II (ACTS Equivalency = ENGL 1023)	3
<a href="#">ACCT 2013</a> Accounting Principles	3
<a href="#">WCOB 1033</a> Data Analysis and Interpretation	3
<a href="#">ECON 2023</a> Principles of Microeconomics (ACTS Equivalency = ECON 2203)	3
Natural Science - University Core	4
Year Total:	16 16
Second Year	Units
	FallSpring
<a href="#">MGMT 2053</a> Business Foundations	3
<a href="#">ISYS 2103</a> Business Information Systems	3
<a href="#">MATH 2043</a> Survey of Calculus (ACTS Equivalency = MATH 2203)	3
Social Science - University Core	3
Fine Arts/Humanities - University Core	3
<a href="#">SCMT 2103</a> Introduction to Supply Chain Management	3
<a href="#">MGMT 2103</a> Managing People and Organizations	3
<a href="#">ECON 2013</a> Principles of Macroeconomics (ACTS Equivalency = ECON 2103)	3
<a href="#">ISYS 2263</a> Principles of Information Systems	3

Natural Science - University Core	4
Year Total:	15 16
Third Year	Units
	FallSpring
<a href="#">FINN 3043</a> Principles of Finance	3
<a href="#">MKTG 3433</a> Introduction to Marketing	3
<a href="#">ISYS 3293</a> Systems Analysis and Design	3
Junior/Senior Business Electives	3
<a href="#">ISYS 3393</a> Business Application Development Fundamentals	3
<a href="#">ISYS 4213</a> ERP Fundamentals	3
<a href="#">MGMT 3013</a> Strategic Management	3
Junior/Senior Business Electives	3
General Education Electives	3
Year Total:	12 15
Fourth Year	Units
	FallSpring
<a href="#">ISYS 4283</a> Business Database Systems	3
<a href="#">ISYS 4193</a> Business Analytics and Visualization	3
Junior/Senior Business Electives	3
<b>3 hour 3000/4000 level ISYS or Business Elective</b>	<b>3</b>
General Education Electives	3
<a href="#">ISYS 4293</a> Business Intelligence	3
<a href="#">ISYS 4363</a> Business Project Development	3
Fine Arts/Humanities	3
General Education Electives	6
Year Total:	15 15
Total Units in Sequence:	120

\* Must be completed prior to or as a co-requisite to WCOB 1033 Data Analysis and Interpretation.

\*\* Must be completed prior to MGMT 3013 Strategic Management.

\*\*\* Must be completed prior to taking any 3000 or 4000-level business courses

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

No

Estimated Student 35

Demand for Program

Scheduled Program n/a

Review Date

Program Goals and Objectives

**Program Goals and Objectives**

This concentration in Information Systems is designed to give information systems students a foundation in 1) the gathering and management of transactional and informational data, 2) statistical methods used in data/business analytics, and 3) the effective application of data mining tools and techniques. Key program components include -

- Analytics – Foundational analytical & statistical techniques to gather, analyze, & interpret information – “What does the data tell us?”
- Data – Store, manage, and present data for decision making – “How do I get the data – big data”
- Data Mining – Move beyond analytics to knowledge discovery and data mining – “Now, let’s use the data to build models; putting the data to work”

Learning Outcomes

**Learning Outcomes**

- Fundamentals of analytics, decision support, and estimation models
- Data management concepts
- Data mining

Description and justification of the request

<b>Description of specific change</b>	<b>Justification for this change</b>
Add 3 hour 3000/4000 level Junior/Senior ISYS or Business Elective to clarify concentration. Add in the fourth year, fall semester of the Eight Semester Plan.	Clarify the total number of hours for the concentration.

Upload attachments

Reviewer Comments

**Alice Griffin (agriffin) (10/29/18 9:20 am):** Replaced added course "3 hour 3000/4000 level ISYS or Business Elective" with a comment in program requirements. It resolved the red box error of missing course.

**Alice Griffin (agriffin) (10/29/18 9:24 am):** Changed response from yes to no regarding the adding concentration field. This request is simply a minor change. The BUAN Concentration was already approved.

**Alice Griffin (agriffin) (10/30/18 4:52 pm):** Replaced course note of "3 hour 3000/4000 level

ISYS or Business Elective" with a comment field in the eight semester plan. It resolved the red error box.