

Date Submitted: 01/16/20 5:14 pm

Viewing: **ISYSBS-BUAN : Information Systems:**

Business Analytics Concentration

Last approved: 05/22/19 10:53 am

Last edit: 03/09/20 1:48 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/changing Focused Study or Track)

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. 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. Provost's Office-- Notification of Approval
15. Registrar Final
16. Catalog Editor Final

Approval Path

1. 01/17/20 9:26 am
Karen Boston (kboston):
Approved for WCOB Dean Initial
2. 01/21/20 11:30 am
Alice Griffin (agriffin): Approved for Director of Program

Department Code

Department of Information Systems (ISYS)

Program Code

ISYSBS-BUAN

Degree

Bachelor of Science in Business Administration

CIP Code

Assessment and
Review

3. 01/21/20 4:44 pm
Lisa Kulczak
(lkulcza): Rollback to
Director of Program
Assessment and
Review for Registrar
Initial
4. 01/21/20 5:02 pm
Alice Griffin
(agriffin): Approved
for Director of
Program
Assessment and
Review
5. 01/22/20 5:33 pm
Lisa Kulczak
(lkulcza): Approved
for Registrar Initial
6. 01/23/20 8:14 am
Gary Gunderman
(ggunderm):
Approved for
Institutional
Research
7. 01/27/20 10:38 am
Rajiv Sabherwal
(rsabherw):
Approved for ISYS
Chair
8. 01/27/20 10:49 am
Karen Boston
(kboston):
Approved for WCOB
Curriculum
Committee
9. 02/05/20 1:42 pm
Karen Boston
(kboston):

Approved for WCOB
Faculty

10. 03/03/20 5:06 pm

Karen Boston

(kboston):

Approved for WCOB
Dean

11. 03/03/20 5:33 pm

Suzanne Kenner

(skenner): Approved

for Global Campus

12. 03/07/20 9:17 am

Terry Martin

(tmartin): Approved

for Provost Review

History

1. May 19, 2015 by

Karen Boston

(kboston)

2. May 25, 2017 by

Karen Turner

(kvestal)

3. Apr 2, 2018 by Gina

Daugherty

(gdaugher)

4. May 22, 2019 by

Karen Boston

(kboston)

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? **9 na**

Program Requirements and Description

Requirements

Business Analytics Concentration

<u>ISYS 4193</u>	Business Analytics and Visualization	3
<u>ISYS 4293</u>	Business Intelligence	3
3 hour 3000/4000 level ISYS or Business Elective		3
Total Hours		9

8-Semester Plan

First Year	Units	
	Fall	Spring
<u>ENGL 1013</u> Composition I (ACTS Equivalency = ENGL 1013)	3	
<u>MATH 2053</u> Finite Mathematics	3	
<u>COMM 1313</u> Public Speaking (ACTS Equivalency = SPCH 1003)	3	
<u>WCOB 1111</u> Freshman Business Connection	1	
<u>BLAW 2013</u> The Legal Environment of Business (ACTS Equivalency = BLAW 2003)	3	
ISYS 1120 Computer Competency Requirement	0	-
U.S. History or Political Science—University Core	3	-
<u>ISYS 1123 Business Application Knowledge - Computer Competency</u>	3	
<u>ENGL 1023</u> Composition II (ACTS Equivalency = ENGL 1023)	3	
<u>ACCT 2013</u> Accounting Principles	3	
<u>WCOB 1033</u> Data Analysis and Interpretation	3	
<u>ECON 2023</u> Principles of Microeconomics (ACTS Equivalency = ECON 2203)	3	
Natural Science - University Core	4	
Year Total:	16	16
Second Year	Units	
	Fall	Spring
<u>MGMT 2053</u> Business Foundations	3	

ISYS 2103 Business Information Systems	3
MATH 2043 Survey of Calculus (ACTS Equivalency = MATH 2203)	3
Social Science - University Core	3
Fine Arts/Humanities - University Core	3
SCMT 2103 Integrated Supply Chain Management	3
MGMT 2103 Managing People and Organizations	3
ECON 2013 Principles of Macroeconomics (ACTS Equivalency = ECON 2103)	3
ISYS 2263 Principles of Information Systems	3
Natural Science - University Core	4
Year Total:	15 16

Third Year	Units
	FallSpring
FINN 3043 Principles of Finance	3
MKTG 3433 Introduction to Marketing	3
ISYS 3293 Systems Analysis and Design	3
Junior/Senior Business Electives	3
ISYS 3393 Business Application Development Fundamentals	3
ISYS 4213 ERP Fundamentals	3
MGMT 3013 Strategic Management	3
Junior/Senior Business Electives	3
U.S. History or Political Science - University Core	3
Year Total:	12 15

Fourth Year	Units
	FallSpring
ISYS 4283 Business Database Systems	3
ISYS 4193 Business Analytics and Visualization	3
Junior/Senior Business Electives	3
3 hour 3000/4000 level ISYS or Business Elective	3
General Education Electives	3
ISYS 4293 Business Intelligence	3
ISYS 4363 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 Demand for Program 35

Scheduled Program Review Date n/a

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

Description of specific change

Justification for this change

Description of specific change	Justification for this change
<ul style="list-style-type: none"> - Add ISYS 1123, Business Application Knowledge to first year, fall semester, 8 semester plan - Delete ISYS 1120, Computer Competency Requirement from first year, fall semester, 8 semester plan - Delete 3 hours of general education elective from third year, spring semester, 8 semester plan - Add US History or Political Science - University Core to third year, spring semester, 8 semester plan 	<p>Pre-assessment exam scores for incoming freshmen over the past several years have been consistently indicating that only 4% of incoming freshmen have sufficient IT competency (coming out of their High School program) for Walton College courses. Therefore, most incoming Walton freshmen are required to take ISYS 1123, Business Application Knowledge in lieu of ISYS 1120, Computer Competency Requirement which currently does not count toward their degree. This change deletes ISYS 1120 as a pre-business requirement and incorporates ISYS 1123 as a pre-business and degree requirement. Additionally, reducing the total number of General Education Electives from 12 hours to 9 hours.</p>

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (01/21/20 10:26 am): Inserted 9 into the total credit hours field.

Alice Griffin (agriffin) (01/21/20 11:29 am): Inserted comment in spring semester third year for the US HIST/PLSC University Core credit. Also, changed description from fall to spring of third year. College is encouraged to review and confirm it was the intended language.

Lisa Kulczak (lkulcza) (01/21/20 4:44 pm): Rollback: Per request from Alice.

Alice Griffin (agriffin) (03/09/20 1:48 pm): Changed effective date from fall 2020 to fall 2021.

The request will not complete the approval process in time for the fall 2020 catalog.