

Date Submitted: 11/04/24 11:08 am

Viewing: ISYSBS-EMTC ~~ISYSBS-ENSY~~ : Information Systems: Emerging Technology Concentration ~~Blockchain Enterprise Systems Concentration~~

Last approved: 10/04/24 3:44 pm

Last edit: 11/14/24 7:59 pm

Changes proposed by: judy

Catalog Pages Using this Program

- [Information Systems B.S.B.A. with Blockchain Enterprise Systems Concentration](#)
- [Information Systems \(ISYS\)](#)

Submitter: User ID: [judy yongko](#) Phone:

[575-4622](#) ~~575-5252~~

Program Status Active

Academic Level Undergraduate

Type of proposal [Concentration](#) ~~Major/Field of Study~~

Select a reason for this modification

Changing Title of an Existing Concentration or Minor--(LON)

Effective Catalog Year Fall 2025

College/School Code
Walton College of Business (WCOB)

Department Code
Department of Information Systems (ISYS)

Program Code [ISYSBS-EMTC](#) ~~ISYSBS-ENSY~~

Degree Bachelor of Science in Business Administration

CIP Code

In Workflow

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

Approval Path

1. 10/22/24 10:27 am Alan Ellstrand

- (aellstra): Rollback to Initiator
2. 10/30/24 12:59 pm
Alan Ellstrand
(aellstra): Approved for WCOB Dean Initial
 3. 10/31/24 1:10 pm
Lisa Kulczak
(lkulcza): Rollback to Initiator
 4. 11/04/24 2:00 pm
Alan Ellstrand
(aellstra): Approved for WCOB Dean Initial
 5. 11/04/24 2:15 pm
Jim Gigantino
(jgiganti): Approved for Provost Initial
 6. 11/05/24 10:05 am
Lisa Kulczak
(lkulcza): Approved for Director of Curriculum Review and Program Assessment
 7. 11/05/24 10:45 am
Gina Daugherty
(gdaugher): Approved for Registrar Initial
 8. 11/05/24 10:49 am
Doug Miles
(dmiles): Approved for Institutional Research
 9. 11/05/24 10:50 am
Shaila Miranda
(shailam): Approved for ISYS Chair

10. 11/05/24 1:42 pm
Alan Ellstrand
(aellstra): Approved
for WCOB
Curriculum
Committee
11. 11/05/24 1:42 pm
Alan Ellstrand
(aellstra): Approved
for WCOB Faculty
12. 11/05/24 1:42 pm
Alan Ellstrand
(aellstra): Approved
for WCOB Dean
13. 11/05/24 1:47 pm
Suzanne Kenner
(skenner): Approved
for Global Campus
14. 11/05/24 1:49 pm
Jim Gigantino
(jgiganti): Approved
for Provost Review
15. 11/23/24 11:54 am
Lisa Kulczak
(lkulcza): Approved
for Undergraduate
Council

History

1. Aug 27, 2014 by
Leepfrog
Administrator
(clhelp)
2. Aug 27, 2014 by
Leepfrog
Administrator
(clhelp)
3. Jun 10, 2015 by
Charlie Alison
(calison)

4. Jul 24, 2015 by Charlie Alison (calison)
5. May 25, 2017 by Karen Turner (kjvestal)
6. Apr 2, 2018 by Gina Daugherty (gdaughter)
7. May 22, 2019 by Karen Boston (kboston)
8. May 21, 2020 by Karen Boston (kboston)
9. Dec 11, 2020 by Karen Turner (kjvestal)
10. Mar 21, 2022 by Gina Daugherty (gdaughter)
11. Mar 22, 2023 by Alan Ellstrand (aellstra)
12. Apr 1, 2024 by Gina Daugherty (gdaughter)
13. Oct 4, 2024 by Jean Mitchell (jem03)

52.1301 - Management Science.

Program Title

Information Systems: Emerging Technology Concentration ~~Blockchain Enterprise Systems Concentration~~

Program Delivery

Method

On Campus

Is this program interdisciplinary between two or more colleges or schools?

No

Do the proposed changes impact any specific course(s) from another college or school?

No

What are the total 9
hours needed to
complete the
program?

Program Requirements and Description

Requirements

Emerging Technology Concentration

<u>ISYS 43103</u>	<u>Artificial Intelligence and Tech Ethics</u>	<u>3</u>
<u>ISYS 43203</u>	<u>Infrastructure and Digital Innovation</u>	<u>3</u>
<u>Choose 1 course from the following:</u>		<u>3</u>
<u>ISYS 41703</u>	Blockchain Fundamentals	
ISYS 44503	Introduction to Blockchain Applications	3
ISYS 44603	Blockchain Enterprise Systems Development	3
<u>ISYS 32803</u>	<u>Opportunities, Risks and Ethics in the Metaverse</u>	
<u>ISYS 32703</u>	<u>Cryptocurrency</u>	
Total Hours		9

~~Blockchain Enterprise Systems Concentration~~

8-Semester Plan

Information Systems B.S.B.A. with an Emerging Technology Blockchain Enterprise Systems Concentration

Eight-Semester Degree Program:

Students wishing to follow the eight-semester degree plan for Information Systems should see the [Eight-Semester Degree Policy](#) for university requirements of the program.

Courses in **BOLD** must be taken in the designated semester. Although other courses listed are not required to be completed in the designated sequence, the recommendations below are preferred.

	Units	
	Fall	Spring
First Year		
ENGL 10103 Composition I (ACTS Equivalency = ENGL 1013) (Satisfies General Education Outcome 1.1) ³	3	
MATH 20503 Finite Mathematics (Satisfies General Education Outcome 2.1) ^{1, 3}	3	
BUSI 11101 Freshman Business Connection ³	1	
SCMT 21003 Integrated Supply Chain Management ²	3	
MGMT 21003 Managing People and Organizations ²	3	
ISYS 11203 Business Application Knowledge - Computer Competency ³	3	
BLAW 20003 The Legal Environment of Business (ACTS Equivalency = BLAW 2003) ²		3
SPCH 10003 Public Speaking (ACTS Equivalency = SPCH 1003) (Satisfies General Education Outcomes 1.2 and 5.1) ³		3
ACCT 20103 Accounting Principles ³		3
BUSI 10303 Data Analysis and Interpretation ³		3
Satisfies General Education Outcome 3.3:		
ECON 22003 Principles of Microeconomics (ACTS Equivalency = ECON 2203) ³		3
or ECON 21003 Principles of Macroeconomics (ACTS Equivalency = ECON 2103)		
Year Total:	16	15
Second Year		
ACCT 20203 Accounting Principles II ³		3
or SEVI 20503 Business Foundations		
ISYS 21003 Business Information Systems ²		3
Satisfies General Education Outcome 3.3:		
ECON 21003 Principles of Macroeconomics (ACTS Equivalency = ECON 2103) ³		3
or ECON 22003 Principles of Microeconomics (ACTS Equivalency = ECON 2203)		
ENGL 10203 Composition II (ACTS Equivalency = ENGL 1023) (Satisfies General Education Outcome 1.1) ³	3	
Fine Art/Humanities Course State Minimum Core (Satisfies General Education Outcome 3.1 or 3.2) ^{5, 6}	3	
Social Sciences - State Minimum Core (Satisfies General Education Outcomes 3.3 and 4.1 as well as the Social Issues, Multicultural Environment and Demographic Diversity requirement) ⁴		3
MATH 22003 Survey of Calculus (ACTS Equivalency = MATH 2203) ³		3
2-hour general education elective		2

3 hours general education elective	3
ISYS 22603 Principles of Information Systems	3
Science Course State Minimum Core (Satisfies General Education Outcome 3.4)	4
All pre-business requirements should be met by end of term	
Year Total:	15 16
Third Year	Units
	FallSpring
FINN 20403 Principles of Finance ²	3
MKTG 34303 Introduction to Marketing ²	3
ISYS 32903 Systems Analysis and Design	3
Junior Senior Business Electives	3
Science - State Minimum Core (Satisfies General Education Outcome 3.4)	4
ISYS 33903 Business Application Development Fundamentals	3
ISYS 41703 Blockchain Fundamentals	- 3
ISYS 42103 ERP Fundamentals	3
ISYS 43103 Artificial Intelligence and Tech Ethics	= 3
SEVI 30103 Strategic Management (Satisfies General Education Outcome 6.1)	3
U.S. History or Government State Minimum Core (Satisfies General Education Outcome 4.2)	3
Year Total:	16 15
Fourth Year	Units
	FallSpring
ISYS 42803 Business Database Systems	3
ISYS 44503 Introduction to Blockchain Applications	3 -
ISYS 43203 Infrastructure and Digital Innovation	<u>3</u> =
Junior Senior Business Electives	6
General Education Electives	3
ISYS 43603 Business Project Development	3
ISYS 44603 Blockchain Enterprise Systems Development	- 3
<u>Choose 1 of the following:</u>	= <u>3</u>
ISYS 41703 Blockchain Fundamentals	
ISYS 32803 Opportunities, Risks and Ethics in the Metaverse	
ISYS 32703 Cryptocurrency	
Fine Arts/Humanities State Minimum Core (Satisfies General Education Outcome 3.1 or 3.2) ^{5, 6}	3
General Education Electives	3
Year Total:	15 12
Total Units in Sequence:	120
1	
Students have demonstrated successful completion of the learning indicators identified for learning outcome 2.1, by meeting the prerequisites for MATH 20503 .	
2	
Must be completed with a CEV # 20103	

Must be completed prior to [SEVI 30103](#).

3

Must be completed prior to taking any 3000 or 4000 level business courses.

4

The Social Sciences Elective courses which satisfy General Education Outcomes 3.3 and 4.1, as well as the Social Issues, Multicultural Environment, and Demographic Diversity Requirement include: [ANTH 10203](#), [HIST 11193](#), [HIST 11293](#), [SOVI 10103](#), [SOVI 101H3](#), and [SOVI 20103](#).

5

The Fine Arts Elective courses which satisfy the General Education Outcome 3.1 include: [ARCH 10003](#), [ARHS 10003](#), [COMM 10003](#), [DANC 10003](#), [LARC 10003](#), [MUSC 10003](#), [MUSC 100H3](#), [MUSC 10103](#), [MUSC 101H3](#), [MUSC 13303](#), [THTR 10003](#), [THTR 10103](#), or [THTR 101H3](#).

6

The Humanities Elective courses which satisfy the General Education Outcome 3.2 include: [AAST 20203](#), [ANTH 10303](#), [ARCH 10103](#), [CLST 10003](#), [CLST 100H3](#), [CLST 10103](#), [COMM 12303](#), [DANC 10003](#), [ENGL 12103](#), [GNST 20003](#), [HIST 11193](#), [HIST 111H3](#), [HIST 11293](#), [HIST 112H3](#), [HIST 20003](#), [HIST 20103](#), [HUMN 112H4](#), [HUMN 22103](#), [LALS 20103](#), [MRST 20103](#), [MUSY 20003](#), [MUSY 200H3](#), [PHIL 20003](#), [PHIL 200H3](#), [PHIL 21003](#), [PHIL 23003](#), [THTR 10003](#), [THTR 10103](#), [THTR 101H3](#), [ENGL 11103](#), [ENGL 11203](#), or intermediate-level world language (usually 2003-level).

Are Similar Programs available in the area?

No

Estimated Student NA

Demand for Program

Scheduled Program [2027-2028](#) See BSBA

Review Date

Program Goals and

Objectives

Program Goals and Objectives

The objective of this Information Systems concentration is to equip students to leverage emerging technologies as the pace of technology development accelerates. Students will demonstrate proficiency in key emerging technologies, including their functionality, benefits, and limitations, as applied to business and other organizational contexts. Focal student outcomes include (1) appraising emerging technologies for their implications for business processes, management practices, and strategic decision-making; (2) developing an entrepreneurial mindset to innovate and create new business solutions using emerging technologies; and (3) being aware of the ethical, social, and legal implications associated with the use of emerging technologies and ensuring technology solutions are ethically designed. Key program components include:

☐ Technology assessment – Understanding of how to assess the opportunities and risks associated with specific emerging technologies.

☐ Modern software development – Foundations of development approaches, techniques, and tools toward designing and developing products that provide organizational value.

☐ Technology ethics – Ethical frameworks to inform decision-making about emerging technologies.

See BSBA

Learning Outcomes

Learning Outcomes

[Ability to analyze and evaluate the impact of emerging technologies on organizational performance and strategic initiatives and apply critical thinking and problem-solving skills to design and implement technology-driven solutions that address contemporary business challenges.](#)

[Ability to plan, execute, and manage projects with emerging technologies, effectively communicate technical concepts and business implications of emerging technologies to diverse stakeholders and non-technical personnel, and generate innovative solutions that leverage emerging technologies to create business value, improve processes, and enhance customer experiences.](#)

[Ability to evaluate the ethics of technology use and make informed decisions that reflect social responsibility and compliance with regulations.](#)

See BSBA

Description and justification of the request

Description of specific change	Justification for this change
Change of name of concentration in recognition of the fast pace of change in this discipline. Curriculum changes were made in support of the title update.	This title change is being implement to provide a more enduring title that will remain relevant in sprite of changing technology.

Upload attachments

[Letter of Notification Emerging Technology Concentration ISYS.pdf](#)

[ISYSBS-EMTC - Title Change - Ltr of Notification_Rev_BOT.pdf](#)

Reviewer Comments

Alan Ellstrand (aellstra) (10/22/24 10:27 am): Rollback: Rolling back so that we can review changes before submitting.

Lisa Kulczak (lkulcza) (10/31/24 1:10 pm): Rollback: This proposal appears to be changing the title of an existing concentration. As such, it will now need off-campus approval. Please adjust the reason for the program modification and provide a LON to accompany this request. Please be advised we are nearing the deadlines to ensure this makes it to the appropriate BOT and ADHE agendas.

Key: 528