

New Program Proposal

Date Submitted: 10/06/20 4:22 pm

Viewing: **WCYB-M : Data and Cybersecurity Management Minor for Business Majors**

Last edit: 10/08/20 10:11 am

Changes proposed by: kboston

Submitter:	User ID:	kboston	Phone:
575-4622			
Program Status	Active		
Academic Level	Undergraduate		
Type of proposal	Minor		
Select a reason for this new program	Adding New Minor		
Effective Catalog Year	Fall 2021		
College/School Code	Walton College of Business (WCOB)		
Department Code	Department of Information Systems (ISYS)		
Program Code	WCYB-M		
Degree	Minor		
CIP 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. Provost's Office-- Notification of Approval
15. Registrar Final
16. Catalog Editor Final

Approval Path

1. 10/06/20 4:23 pm
Karen Boston (kboston):
Approved for WCOB Dean Initial
2. 10/08/20 10:11 am
Alice Griffin (agriffin): Approved for Director of Program

- Assessment and Review
3. 10/08/20 12:34 pm
Lisa Kulczak
(lkulcza): Approved for Registrar Initial
 4. 10/08/20 12:37 pm
Gary Gunderman
(ggunderm): Approved for Institutional Research
 5. 10/08/20 2:03 pm
Rajiv Sabherwal
(rsabherw): Approved for ISYS Chair
 6. 10/08/20 2:23 pm
Karen Boston
(kboston): Approved for WCOB Curriculum Committee
 7. 10/08/20 2:24 pm
Karen Boston
(kboston): Approved for WCOB Faculty
 8. 10/08/20 2:24 pm
Karen Boston
(kboston): Approved for WCOB Dean
 9. 10/08/20 2:34 pm
Suzanne Kenner
(skenner): Approved for Global Campus
 10. 10/08/20 4:09 pm
Terry Martin

(tmartin): Approved
for Provost Review

43.0116 - Cyber/Computer Forensics and Counterterrorism.

Program Title

Data and Cybersecurity Management Minor for Business Majors

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 15
hours needed to
complete the
program?

Program Requirements and Description

Requirements

Data and Cybersecurity Management Minor

The Data and Cybersecurity Management minor in the Information Systems Department of the Walton College of Business is designed to develop graduates able to help organizations assess and detect threats while securing and protecting data and data-driven systems against a myriad of threats such as malicious software, hacking, insider threats, and other cybercrimes. Students will also learn and apply best industry practices to minimize data collection, protect client and individual privacy, and otherwise further ethical data management. Students will not only learn about cybersecurity, crime, and privacy law, but will also learn about techniques of risk assessment, continuity planning, and threat detection. This will include learning with respect to behavioral aspects, ethics, legal considerations, and best practices in cyber security management. The minor requires completion of 15 hours of study with all of the upper level courses applied toward the minor in residence. The 15 hours include the following courses:

Required Core Courses:

ISYS 4013 PRINCIPLES OF DATA AND CYBERSECURITY

Course ISYS 4013 PRINCIPLES OF DATA
AND CYBERSECURITY Not Found

9

ISYS 4023 NETWORK AND DATA SECURITY IN A CHANGING WORLD	Course ISYS 4023 NETWORK AND DATA SECURITY IN A CHANGING WORLD Not Found
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ISYS 4043 CYBERSECURITY, CRIME AND PRIVACY LAW	Course ISYS 4043 CYBERSECURITY, CRIME AND PRIVACY LAW Not Found
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Choose six hours from the following:

ISYS 3273 CRYPTOCURRENCY	Course ISYS 3273 CRYPTOCURRENCY Not Found	6
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ISYS 4033 ADVANCED INFORMATION SECURITY MANAGEMENT	Course ISYS 4033 ADVANCED INFORMATION SECURITY MANAGEMENT Not Found
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ISYS 4053 ADVANCED CYBERSECURITY, CRIME AND PRIVACY LAW	Course ISYS 4053 ADVANCED CYBERSECURITY, CRIME AND PRIVACY LAW Not Found
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ISYS 4173

MGMT 4243

Blockchain Fundamentals

Ethics and Corporate Responsibility

Total Hours

15

Students who desire to earn a Data and Cybersecurity Management minor must notify the Walton College Undergraduate Programs Office of intent to pursue a minor. All requirements for the minor must be completed prior to the awarding of the student’s undergraduate degree. All specific course prerequisites must be met. Each student must have a 2.00 cumulative grade-point average in the courses offered for the minor.

8-Semester Plan

Program Costs

N/A

Library Resources

N/A

Instructional

Facilities

N/A

Faculty Resources

N/A

List Existing Certificate or Degree Programs that Support the Proposed Program

Are Similar Programs available in the area?

No

Estimated Student 50

Demand for Program

Scheduled Program na

Review Date

Program Goals and

Objectives

Program Goals and Objectives

The minor is designed to develop graduates able to help organizations assess and detect threats while securing and protecting data and data-driven systems against a myriad of threats such as malicious software, hacking, insider threats, and other cybercrimes; to learn and apply best industry practices to minimize data collection, protect client and individual privacy, and otherwise further ethical data management. Students will not only learn about cybersecurity, crime, and privacy law; and learn about techniques of risk assessment, continuity planning, and threat detection.

Learning Outcomes

Learning Outcomes

Upon completion of the program, students will:

- Have mastered the technical strategies, tools and techniques commonly used to secure data and information in the enterprise.
- Understand and be able to apply cybersecurity, crime, tort, and privacy law to the management of data and systems.
- Understand disclosure, notification, breach, and other privacy and transparency obligations under state, federal, and international law.
- Be able to detect and identify common malicious software and attack protocols.
- Be able to apply critical thinking to creatively and systematically solve problems and meet challenges of the ever-evolving environments of cyber security.
- Understand the state of cybersecurity nationally and globally.
- Be able to apply data and cybersecurity management techniques to their fields of study.

Description and Justification for this request

Description of request	Justification for request
To add a minor in Data and Cybersecurity Management for business majors.	To provide a minor for students interested in helping organizations assess and detect threats while securing and protecting data and data-driven systems.

Upload attachments

Reviewer Comments

Alice Griffin (agriffin) (10/08/20 10:10 am): Removed scheduled program review date. Minor programs are not part of the program review process.

Alice Griffin (agriffin) (10/08/20 10:11 am): Courses listed with red error box have been submitted for approval.

Key: 793