

St. Ambrose University
Computer and Information Sciences Alumni Advisory Council
Friday, April 23, 2021, 8:30 – 11:00
Via WebEx

Reporting to Alumni

1. CIS Department Enrollments
2. CIS Department Budget
 - Stable from last year (pre-COVID)
 - Thank you to alumni for their generous directed gifts!
3. Impact of COVID
 - Currently teaching many of our classes online or in a hybrid format
 - Expect to be back to in-seat classes for the Fall
4. Connections with other programs
 - BBA with Cybersecurity Concentration
 - Engineering Master's program
 - Data Science program (this is not new)
5. Curriculum changes approved in Fall 2020 (see appendix for details)
 - MSITM
 - Made a number of changes to focus the MSITM more on Cybersecurity
 - Cybersecurity Undergraduate Program
 - Deemphasize Criminal Justice
 - Require Capstone course
 - Officially add Intro to Cybersecurity to the curriculum
 - Computer and Network Administration Program (CNA)
 - Allow Introduction to Cybersecurity as an elective
 - No longer required Principles of Management

Seeking information from Alumni

1. Colloquium
 - Working to start guest speakers in the fall.
 - Aiming for two speakers in the fall and one in the spring.
 - What topics/speakers would you recommend for these talks?
2. What classes impacted you the most when you were a student at SAU?
3. What emerging areas do you think we should be sure to expose our students to? This could be through:
 - A dedicated course
 - A unit in an existing class
 - A Computer Club event
 - A guest speaker
4. What kinds of experiences would our students benefit from? For example, public speaking, research experiences, internships, etc.
5. What is the culture like where you work? How can we prepare our students to thrive in such a culture? Some examples might include: How do leaders rise through the ranks? How important is it to earn professional certifications? How is teamwork fostered? To what extent is community engagement emphasized?
6. What are interviews for new hires like where you work? How can we best prepare our students for such interviews?
7. Are there any non-major classes you would suggest for our students?
8. Are there any CIS classes you would suggest for non-IT students?
9. Is there any outreach that you would appreciate from the CIS department? From SAU as a whole?

Appendix – Changes Approved in Fall 2020

MSITM Changes

1. Make CSCI-515, Computer and Network Security part of the required core.
2. Change the name of CSCI-560 to Data Security and Privacy, change its SLOs, and make it part of the required core.
3. Make CSCI-630, Information Assurance, part of the required core.
4. Create a new course, CSCI-635, Secure Software Design, and make it part of the required core.
5. Move CSCI-600, Systems Analysis in the Enterprise, out of the required core and make it an elective instead.
6. Make CSCI-775, Professional Internship, available for variable 1-3 credits instead of only being available for one credit.
7. Reorganize the required COB course selections and reduce the number of required COB courses.
8. Cross list CSCI-435, Legal and Ethical Issues in Computing, and CSCI-640, Legal and Ethical Issues in Information Technology Management.

Cybersecurity Changes

9. Give a dedicated course number to Cybersecurity and Hacking instead of having it always be offered as a Topics class. The course number will be CSCI-335.
10. Make CSCI-250, Introduction to Cybersecurity, a required course instead of an elective.
11. Make CSCI-250, Introduction to Cybersecurity, a prerequisite for the following courses:
 - CSCI-375, Network Forensics
 - CSCI-415, Computer and Network Security
 - CSCI-425, Computer Forensics
12. Make CSCI-475, Capstone Seminar, a required course.
13. No longer require the following two courses
 - CRJU-102, Introduction to Law Enforcement
 - CRJU-411, The Constitution and Criminal Justice
14. Change the Cybersecurity minor as follows:
 - a. Make CSCI-250, Introduction to Cybersecurity a required course
 - b. Make CSCI-425, Computer Forensics, an elective instead of being required

Computer and Network Administration Changes

15. List CSCI-250, Introduction to Cybersecurity, as an elective
16. No longer require MGMT-210, Principles of Management