Management & IS Department Chair's Report, Spring 2019

prepared for the Spring 2019 IT Alliance Meeting

I would like to take this opportunity to thank…

- It Alliance Members, for your unconditional support.

- Doug Petitt, ITA Chair and Joab Schultheis, our Chair-Elect for their leadership and continuous support for our CIS and CS Programs and activities.

- CIS and CS students, who worked so hard on the senior projects they presented today.

- My hard-working, dedicated colleagues.

- Interim Dean Dr. Brian McGuire, for his support of our departmental programs and activities.

MNGT & IS Department News

We have had an exciting spring semester.

New RCOB Dean Search

We are currently in the final phases of the search for a new RCOB Dean. Four strong candidates were brought to campus for interviews, presentations, and feedback from the faculty, staff, students, and alumni/alumnae. The decision is now in the hands of our top administrators.

Hackathon--As Srishti described, the first annual Hackathon was a huge success**.** We are very grateful to Joab Schultheis, and to Jean Reising with Metro Net, and Jake Rumsey from OFS, for sharing their expertise and inspiring our students at the Hackathon.

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CS Faculty Resource News

A tenure-track CS professor has been hired—Xue Han, a Ph.D. candidate at the University of Kentucky, with expertise in software engineering, software testing, and machine learning.

A one-year instructor position in CS was secured, and the search has begun to fill this position.

I would like to thank Scott, Chair of the Search Committee, and also Srishti and Gongjun, for their hard work on these searches.

Looking toward the coming year

New CIS certificates are in place for fall, 2019

- The new Cyber-Security and Data Analytics for Business certificates will be offered this fall.

- The CIS major has been modified to align with these new certificates. The modified major will be launched in fall, 2020.

- **Work in progress** ---The CIS Post-Baccalaureate certificate and the CIS Minor are being aligned with the Cyber Security and Data Analytics for Business certificates.

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Cyber Security and Data Analytics for Business Certificate

Cyber Security Certificate — Curriculum 12 credit hours, approved, with implementation in Fall 2019. (Initiated and developed by Dr. Kenneth Shemroske)

CIS367 – Data Communications

CIS345 -- Information Security and Risk Management

CIS346 – Cybersecurity Assessment and Network Defense

Elective: CIS349 – Special Topics in Cybersecurity such as computer forensic –Ethical Hacking -- Cryptography and more.

Data Analytics for Business Certificate--12-hour curriculum, approved, with implementation in Fall, 2019 (Initiated and developed by Dr. Dinko Bacic)

CIS333 – Data Visualization and Story Telling

CIS344 – Automated Machine Learning for All

CIS366 – Data Management for BI and Analytics

Electives – students have the option of taking one direct elective course in CIS/CS, DSCI, ECON, ENGR, MKT, POL, PSY, SOC, STAT, or TECH.

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Newly Modified CIS Major Curriculum
(for implementation in fall, 2020)

- CS 258   Introduction to Object-Oriented Programming using C#
- CIS 276   Introduction to Enterprise Web Development
- CIS 301   ERP/SAP or **CIS 333 – Data Visualization and Story Telling**
- **CIS 345   Information Systems Security & Risk Management**
- **CIS 367   Data Communications**
- CIS 375   Systems Analysis and Design
- **CIS 344   Machine Learning** Or **CIS346 Cybersecurity Assessment and Network Defense** or CIS 376 Programming for Enterprise Web Development OR CS 358 Intermediate Programming using C#
- CIS 377 Database Concepts
- **CIS 366 Data Management for BI and Analytics**
- CIS 477   Applied Software Development Project

Work in Progress -- modifying CIS Post-Baccalaureate Certificate and CIS Minor

(aligning with the Cyber Security and Data Analytics for Business certificates and are in the process of being submitted - 18 hours (implementation in Fall, 2020)

Required Courses (12 hours)
- CIS 201 - Business Processes and Information Systems Credits: 3
- CIS 333 – Data Visualization and Story Telling Or CIS 367 - Data Communications Credits: 3
- CIS 375 - Systems Analysis and Design Credits: 3
- CIS 377 - Introduction to Database Concepts Credits: 3

Elective Courses (6 hours)
- CS 258   Introduction to Object-Oriented Programming using C#
- CIS 301   ERP/SAP
- CIS 276   Introduction to Enterprise Web Development
- CIS 345   Information Systems Security & Risk Management
- CIS 344 Machine Learning Or CIS346 Cybersecurity Assessment and Network Defense or CIS 376 Programming for Enterprise Web Development OR CS 358 Intermediate Programming using C#
- CIS 366 Data Management for BI and Analytics

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Thanks to outgoing ITA Chair, Doug Petitt

Thank you, Doug, for supporting and inspiring us through your leadership of the IT Alliance, and for stepping in to assume this post when John Kamin moved out of the community.

The CIS and CS faculty and students, and our administrators are grateful to you for all you have done to boost our programs and help us prepare our students for successful careers.