

Computer Information Systems Department

Industry Advisory Committee Meeting Minutes

IAC

Thursday, March 24, 2022

Faculty Attendees:

Barry Andrews	John Blyzka	Paul Chiu	Jim Gau	
Jaishri Mehta	Rich Patterson	Sohair Zaki	Vic Zamora	

Industry Attendees:

John Lin	Joey Cruz	Steven Chan	Chuong Tran	Mike Palero
Richard Rosenbluth	Kyle Keefer	Fawaz Al-Malood	Anthony Moore	Dawn Finley
John Torres	Vera Orefice	Antonio Bangloy	Ray Ybarra	

Agenda Items

Welcome, Introductions, and Announcements – Vic Zamora

- Professor Zamora called the Committee to order
- Professor Barry Andrews welcomed all to the meeting
- Self-Introduction of all attendees

Curriculum Changes requiring approval

- **Professor Andrews: Course and Certificate Removals:**

- CISN 61 – Cloud and Virtualization Network Security
- CISS 31 – Computer System Forensics
- CISP 52 & 52L – Mobile Device Programming, lecture / lab
- CISP 53 & 53L – iOS Programming, lecture / lab
- CISP 54 & 54L – Android Programming, lecture / lab
- CISW 21 & 21L – Secure Web Programming with ASP.NET, lecture / lab
- Android Programming Certificate (M0817)
- iOS Programming Certificate (M0664)

IAC members approved these removals from the curriculum

- **Professor Gau: Name and course composition changes to CNASM degree:**

- Change degree name to: "Cloud and Network Cyber Security Administration"
- Add CISN 71 "Introduction to Cloud Computing" to Required Electives
- Remove the following from Required Electives:
 - CISB 11 – Computer Information Systems
 - CISS 31 – Computer System Forensics
 - CISP 11 & CISP 11L – Programming in Visual Basic, lecture/lab
 - CISP 21 & CISP 21L – Programming in Java, lecture/lab
 - CISP 31 & CISP 31L – Programming in C++, lecture/lab
 - CISP 41 & CISP 41L – Programming in C#, lecture/lab

IAC members approved these degree changes

- **Professor Blyzka: Course composition changes to Computer Programming Degree:**

- Add:
 - CISP 71 & CISP 71L – Programming in Python, lecture/lab
 - CISP 74 & CISP 74L – Advanced Programming in Python, lecture / lab
- Remove:
 - CISP 52 & 52L – Mobile Device Programming, lecture / lab
 - CISP 53 & 53L – iOS Programming, lecture / lab
 - CISP 54 & 54L – Android Programming, lecture / lab
 - CISW 21 & 21L – Secure Web Programming with ASP.NET, lecture / lab

IAC members approved these degree changes

- **Professor Zamora: Course deletions from Web Programming Certificate:**

- Remove:
 - CISW 21 & 21L – Secure Web Programming with ASP.NET, lecture / lab

IAC members approved this course removal from certificate

- **Professor Andrews: Course deletions from AA Liberal Arts Degree with Information Technology Emphasis:**

- Remove:
 - CISP 11 & 11L – Programming in Visual Basic
 - CISP 52 & 52L – Mobile Device Programming, lecture / lab
 - CISP 53 & 53L – iOS Programming, lecture / lab
 - CISP 54 & 54L – Android Programming, lecture / lab
 - CISW 21 & 21L – Secure Web Programming with ASP.NET, lecture / lab
 - SPCH 26 – Interpersonal Communication or
 - SPCH 26H – Interpersonal Communication Honors

IAC members approved these course removals from degree

- **Professor Zaki: Add new programming track to the CIS Professional Certificate in Object-Oriented Design and Programming:**

- Add:
 - CISP 71 & 71L – Programming in Python, lecture / lab
 - CISP 74 & 74L – Advanced Programming in Python, Lecture / lab

IAC members approved these additions to the certificate

	<ul style="list-style-type: none"> • Professor Zamora: Change Cloud Computing Certificate and courses to be cloud provider agnostic: <ul style="list-style-type: none"> ○ Change: <ul style="list-style-type: none"> ▪ Certificate name to: "CIS Cloud Computing" ○ Change course names, catalogue descriptions, measurable objectives, lecture topical outlines, lab topical outlines, methods of evaluations, and sample assignments, etc.: <ul style="list-style-type: none"> ▪ CISN 72A – Cloud Computing Database Essentials ▪ CISN 73A – Cloud Compute Engines ▪ CISN 74A – Cloud Computing Security <p style="text-align: center;">IAC members approved these changes to the certificate</p>
Grants and Projects	<p>Professor Zamora:</p> <ul style="list-style-type: none"> ○ Dawn Finley – Work Experience Program <ul style="list-style-type: none"> ○ Current partners are City of L.A. and Mt. SAC. In the last year there have been 29 students who have participated in the Work Experience program. ○ Professor Zaki – SWP Regional Project Grant on Artificial Intelligence and Big Data <ul style="list-style-type: none"> - IAC Members approved this grant ○ Professor Gau – Perkins Grant <ul style="list-style-type: none"> ○ Tutors and Professional Experts for CIS students <ul style="list-style-type: none"> - IAC members approved CIS tutors for students ○ Professional development and conference attendance by CIS faculty <ul style="list-style-type: none"> - IAC members approved CIS professional development funds ○ Software / Hardware and Marketing & Promotional materials for CIS courses and programs <ul style="list-style-type: none"> - IAC members approved funds for marketing these courses and programs

<p>Ideas and Suggestions</p>	<p>Professor Andrews:</p> <ul style="list-style-type: none"> ○ Propose and approve new courses or programs based on any new technologies. IAC members mentioned these: <ul style="list-style-type: none"> ○ Metaverse - augmented reality (AR) or virtual reality (VR) or Extended or Mixed Reality (XR/MX) ○ Skills in either Unity or Unreal Engine ○ Programming Language on JavaScript, C#, C++, Python, Rust (Solana Blockchain Technology) and Solidity (Ethereum blockchain) ○ AI (Caffe, PyTorch, TensorFlow and Theano) ○ ML (Machine Learning) ○ Distributed Computing and Storage - enormous amount of computing power ○ Infrastructure as a service code – git hub actions, terraform, Kubernetes, container ○ Sim (security) technologies to monitor the cloud ○ Biometric technologies – integrate ○ Shift more courses to an online mode – pandemic induced, need to offer more online classes ○ New adjunct professors for new courses and programs: <ul style="list-style-type: none"> Professor Andrews asked the IAC members to consider teaching in the CIS Department as Adjunct Professors. ○ Professor Andrews announced that our department is in the process of hiring a new tenured CIS position for Networking, Cybersecurity and Database
<p>Closing Remarks</p>	<p>Professor Zamora:</p> <ul style="list-style-type: none"> ○ Professor Zamora thanked the IAC members for their attendance and support and closed the meeting.
<p>Computer Security proposal</p>	<p>IT Director Anthony Moore proposed that IT and CIS work together on a Computer Security Operations Center with Chris Schroeder to involve our CIS students in monitoring our IT systems, giving them work experience:</p> <ul style="list-style-type: none"> ○ John Lin suggested that it could be much like the Studio 13 model over in the Arts Division. ○ Dawn Finley said it would give students Hands-on training before an internship