

LOS ANGELES SOUTHWEST COLLEGE BUSINESS / COMPUTER SCIENCE ADVISORY BOARD MEETING MINUTES

Location: Zoom
Date: Wednesday July 15, 2020
Time: 10:00 am – 12:00 noon



Minutes

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| Present Members: | <p>Charlotte Augenstein (<i>Regional Director - ICT/Digital Media</i>), Sharon Asberry (<i>CS Adjunct Faculty</i>), Gilbert Bouzeid (<i>Lead Technical Product Manager- eBay</i>), John Bowman Jr. (<i>CS Adjunct Faculty</i>), Lawrence Bradford (<i>LASC VP, Academic Affairs</i>), Damien Danielly (<i>LASC Career Explorations, Coordinator</i>), Salomon Davila (<i>ScopeWave, LLC</i>), Naja El-Khoury (<i>LASC Computer Science Faculty</i>), Majid Haghoo (<i>LASC Computer Science Faculty</i>), Rick Hodge (<i>LASC Dean, CTE</i>), Hillard Holland (<i>CS Adjunct Faculty</i>), Marsha Lynne (<i>CEO of NEXTMVP LLC</i>), Allison Moore (<i>LASC Business and Computer Science Department Chair</i>), Osman Morgado (<i>LASC IT, Instructional Assistant</i>), Keith Parker (<i>Parker Consulting</i>), Leaza Silver (<i>Microsoft, Teaching & Learning Specialist US Education</i>), Cat Stolar (<i>Microsoft, Future-Ready Skills Leader Americas Region Microsoft, Worldwide Education</i>), Larry Triplett (<i>Owner - 7 McDonald's, hotels</i>) former High school educator, teacher, principal), all-useres, 818-281-9259, Ryan Zevako (<i>LinkedIn</i>).</p> |
| Date | 07-15-2020 |
| Time | 10:00 a.m. |
| Location | Zoom |
| Minutes | Naja El-Khoury |

10:00am – Call to Order and Agenda’s approval

10:01am

Dr. Moore Called the meeting to order at 10:00am and thanked everyone for their participation.

10:01 am – Welcome and Introductions

10:15 am

Every member introduced themselves, role and experience.

10:15 am –
10:25 am

Mr. Rick Hodge, Dean of CTE and Workforce Development

Dean Hodge introduced the new opportunity for students to be in the first 100. Under the proposed new Information Technology Intelligence Academy, students can choose a Technology Career Path from: Artificial Intelligence, Automation, Big Data, Business Analytics, Cloud Computing, Cybersecurity, Digital Technology, Information Communication Technology, Internet of Things, Machine Learning, and Networking. He added he will be among the first 100 students to get Free training through LA Southwest College / IT Intelligence Academy with Microsoft Certified Training. This can be student's opportunity to have a technology career with high pay wages. Dean Hodge spoke about the benefits of LinkedIn and introduced Ryan Zevako.

Mr. Zevako discussed LinkedIn and Microsoft partnership on LinkedIn Learning. LinkedIn has partnered with Microsoft Teams on project called "LinkedIn Economic Graph": LinkedIn's Economic Graph team partners with world leaders to analyze labor markets and recommend policy solutions to prepare the global workforce for the jobs of the future. Through these insights, we can help connect more people to opportunities – one member at a time. LinkedIn has: 700 million members, 16 million colleges and universities, 25 million jobs.

Ryan continued describing the Economic Graph as a digital representation of the global economy based on more than 600 million members, 50 thousand skills, 20 million companies, 15 million open jobs, and 60 thousand schools. In short: it's all the data on LinkedIn. These insights help us connect people to economic opportunity in new ways.

LinkedIn's Economic Graph team partners with world leaders to analyze labor markets and recommend policy solutions to prepare the global workforce for the jobs of the future.

LinkedIn Learning: Enhance Your Skills with Over 16K+ Expert-Led, Online Video Tutorials - Start Now! Unlimited Access to Courses on Excel, SQL, AutoCAD & More. Learn Anytime, Anywhere. Start Your Free Month. Expert-Led Courses. Access Anytime, Anywhere. LinkedIn Learning is an American website offering video courses taught by industry experts in software, creative, and business skills. It is a subsidiary of LinkedIn. All the courses on LinkedIn fall into 3 categories: Business, Creative, and Technology.

LinkedIn Learning is an on-demand library of instructional videos covering the latest business, technology and creative skills. It provides personalized course recommendations and is designed to help you achieve your full potential. The goal is to bridge skills gap. LinkedIn is adding 50 to 60 courses per week. There is a charge to use

LinkedIn Learning except the 8 learning paths which are free. Faculty and students can complete LinkedIn Learning and get certificate. The earned certificate can be placed on their LinkedIn profile.

10:25 am – 10:35 am *Dr. Allison Moore, Chair of Business and Computer Science Department*

Thanked both Dean Hodge and Ryan for their presentations. A. Moore introduced the Business and Computer Science department. It is large diverse department with 12 different disciplines (Business, Computer Science, Accounting, Electronics, CAOT, etc.) There are 8 full time faculty which 2 full time faculty in CS. Fair number of adjuncts faculty 2 instructional assistance. We lost one CS faculty about couple years ago we need to hire new CS faculty. 2 new labs. Department chair facilitates what faculty needs. Because of COVID-19, our department will remain online and virtual. Chrome books for our students. Chromebooks are not compatible with some of Computer Science programs.

10:35 am – 10:50 am *Mr. Gilbert Bouzeid – eBay, Lead Technical Product Manager*

Due to unforeseen commitment, Prof. El-Khoury switched his presentation slot with Mr. Bouzeid. Mr. Bouzeid introduced himself, his insights and experience and the topic of his presentation. He categorized his presentation into 3 different topics:

1. What I look for in Candidates.
2. "Hot" Technologies.
3. My Recommendations.

Mr. Bouzeid presentation's materials is solely based on his insights and experience as IT leader with over 20 years of experience. In his presentation, he defined the characteristics of a potential fresh college graduate candidate:

1. Knowledge: Referring to the courses that the candidate completed. The expectation that the candidate knows the subject.
2. Problem solving: Logical thinking.
3. extra-curricular experience: Can be participating in competition and this is highly important as it highlights the student interest in the computer science.
4. Communication: Verbal and written communication skills
5. Team work: Student collaboration in a project.

"Hot" Technologies: Artificial Intelligence (Computer Vision related to processing images and AI services), Cloud Computing, Blockchain, Big Data, Cybersecurity (key area for banking and e-Commerce). These are key technologies for students to embrace for future jobs.

Recommendations:

1. Focus on "Hot" Technologies
2. Training
3. Mentoring
4. Projects
5. Lab sessions

Students should be prepared for the job markets. Training is internships at companies. He stated that mentoring is critical to prepare the students for what to expect in the work environment. He is actually mentoring for two of his universities (Polytechnique University - Switzerland, and Carnegie Mellon).

10:50 am –
11:05 am

Ms. Cat Stolar, Microsoft, Future-Ready Skills Leader | Americas Region Microsoft, Worldwide Education

Ms. Leaza Silver – Microsoft, Teaching & Learning Specialist US Education

Ms. Stolar introduced her self and her role at Microsoft as Future-Ready-Skills Lead. Her presentation focused on the global need to close the skills gap. She stated in her presentation that there are 808 million individuals need to learn new skills for their jobs by 2022 (source: LinkedIn), 3%-14% Global workforce will need to switch occupational categories by 2030 (source: McKinsey, Jobs Lost, Jobs Gained December 2017), 50% Employers reporting that skill shortages have worsened or greatly worsened in the last two years (source: SHRM 2019 State of the Workplace), and 83% Of employers surveyed had trouble hiring suitable candidates in the past 12 months (Source: SHRM 2019 State of the Workplace). She continued her presentation focusing on the shifting demand for skills in 2030: Physical and Manual Skills, Basic Cognitive Skills, Higher Cognitive Skills, Social and Emotional Skills, and Technological Skills. Cloud based technologies will create demand for 564,200 new jobs in the next decade. College roles is to prepare students for jobs that are not created yet. Ms. Stolar shared with the advisory board members Microsoft and Future-Ready Skills diagram. She also mentioned the benefits of having certifications. Microsoft certifications are divided into: Fundamentals, Role-based, and Specialty (future).

Fundamentals: Foundational skills

- Helps build skills towards industry job roles
- Caters to a broad audience across market segments
- Entry level (no experience required in the area)
- Mix of concepts and applied learning for Microsoft technologies

Role-based: Technical skills for a job

- Industry job-role based
- For people interested in, transitioning to or already in the specific job role
- Multiple levels of expertise: Associate and expert
- Technical knowledge to design, implement and manage Microsoft solutions

- Emphasis on applied learning/hands-on for Microsoft technologies

Specialty (future): Deep technical skills

- Deep technical skills managing industry solutions on Microsoft platforms
- No associate/expert levels within Specialty
- Technical knowledge to deploy and manage Microsoft and third-party technology on Microsoft platforms

She also covered Microsoft Learn as a tool for interactive step-by-step tutorials. Microsoft AI business school was introduced and reference was made to Microsoft site. She noted that technology skills to carry work remotely will continue to be required. 3% of all undergraduate degrees granted in USA are in Computer Science and 18% of that are women. Software engineering is in high demand in LA area. Microsoft, Apple, Google and Amazon are among the hiring companies who required certifications. Azure as cloud computing is in demand. One of the important traits in hiring candidates is based on their ability to learn new skills. Industries believe that 42% of the graduates are prepared for new workforce. She showed slide on where the talents are going now (Las Vegas, Phoenix, Dallas). Ms. Stolar added to her presentation salaries range for technical positions in the industry.

Questions about the fortune 500 that 90% using Microsoft platform and Microsoft AI Business school were addressed. Completers of any of the 6 learning paths of the AI Business school will earn badge and can be shared on LinkedIn.

11:05 am – 11:15 *Professor Naja El-Khoury, Computer Science*

Presentation: Existing Programs and New Programs

Prof. El-Khoury thanked everyone for their invaluable presentations that confirmed the Computer Science future plan. Prof. El-Khoury presentation is broken into three areas: Legacy, Now and the Future. Legacy covered the ancillary programs and activities. Existing programs and resources were covered. Homeland Security grant activities were highlighted including the trip to Washington D.C. to join the conference. The Now phase is the planning that outlined the partnership with Microsoft and the following two activities: Bootcamp on 2/21/2020 and Virtual AI Summit on 5/1/2020.

Furthermore, Prof. El-Khoury presented the LASC Computer Science future plan:

- Develop more in-Demand Certificates
- Align programs and courses with Guided Pathways
- Strengthen and develop new partnership with the industry
- Recruit High School students into Computer Science programs

Prof. El-Khoury stated that the following certificates are at the State waiting for approval:

1. ICT – Communications Technology Essentials
2. ICT – Cybersecurity Technology Essentials
3. ICT – Information Technology Essentials
4. ICT – Media Technology Essentials
5. Cloud Computing – AWS

Prof. El-Khoury ended his presentation by covering the following programs as the Computer Science future plan and requested the Advisory Board support and approval:

1. **Artificial Intelligence Foundations – Certificate of Achievement (18 Units)**
2. **Artificial Intelligence Developer – Certificate of Achievement (27 Units)**
3. **Artificial Intelligence – A.S. Degree (30 Units)**
4. **Cloud Computing – Azure AI – Certificate of Achievement (18 Units)**
5. **Artificial Intelligence in The Industry – Certificate of Achievement (18 Units)**
6. **Software Engineering – Certificate of Achievement (21 Units)**
7. **e-Commerce Foundations (18 Units)**
8. **e-Commerce Specialist (21 Units)**
9. **Ethical Hacking & Countermeasures (18 Units)**
10. **Google IT Support Professional (18 Units)**
11. **Big Data Certificate**
12. **Blockchain Certificate**
13. **Apple Coding Foundations**
14. **Apple Coding Developer**

Dean Hodge questioned the possibility of splitting some of the 18 units certificates into 9 + 9 as stackable certificate part 1 and part 2. Dr. Moore cautioned the number of certificate units should align with scheduling and curriculum. Questions from committee were addressed.

**11:15 am -
11:45 am**

Members Comments

There was comment about Big Data certificate to expand it to Business Intelligence. Business Intelligence is more comprehensive and broad title. Business Intelligence is modern title of the Big Data Certificate.

Dean Hodge proposed the idea to package or group the above certificates once approved into Business Intelligence Academy.

Mr. Davila made comment that modern Big Data technology is housed in Computer Science. Comments and conversation were exchanged among the committee members regarding Big Data versus Business Intelligence.

Information Technology Intelligence Academy.

Ms. Augenstein spoke about Azure certificate.

Motion was made by Dr. Moore to approve the above certificates with possible of changing the title, number of units or divide certificates to become stackable as needed, second by Charlotte Augenstein approved by Committee.

11:45 am – *Members Recommendations*

11:55 am

All members recommend and support the above motion and supported the idea of Information Technology Intelligence Academy.

12:00 noon *Adjournment*