CSIT ADVISORY COMMITTEE MEETING
May 24, 2019 Minutes

Call to order at 12:00 pm in the Department Conference Room located in FH 107 Building.

In attendance were Steven Stepanek, Ray Toal, Kian Kaviani, Mohamed Pashazadeh, Mozhgan Tavakoli, Mike Yazdanian, Munir Samplewala, Allan Pratt, Luis Flores, Shawki Dakduk, Fabiola Mora.

Meeting started with welcoming statement from the committee chair, followed by round-robin introductions by committee members.

Committee members reviewed current programs and certificates and suggested the following.

1. Investigate the possibility of reducing the number of units for CS 103 or other courses in the TMC for Computer Science by one unit to align our courses with the TMC model. With the move to adopt the same number of units across all of LACCD's nine campuses, this may need to be discussed and approved at the district level.

2. Modify the Programming Language certificate to reduce the number of courses to seven core courses plus electives. Core courses are to cover Computer Systems (CS 103), Programming Logic (CS 107), Data Structures (CS 136), C++ or Java Programming (CS 139 or 141), Swift or Python Programming (CS 122 or 124), SQL (CS 186), and MongoDB. Elective courses are to cover Operating Systems (CS 134) and JavaScript (CS 162). It was also recommended to replace Visual Basic with JavaScript in the Computer Systems course. Issues to be resolved in this regard include the current articulation agreement for CS 103 with CSLA.

3. Modify the C++ Programming certificate to include two additional courses - Advanced C++ Programming (CO SCI 140) and Data Structures (CO SCI 136). With the two extra classes, the modified C++ program will have more than 16 units total and can change from a skills certificate to a Certificate of Achievement.

4. Change the Java skills certificate, which already meets the 16-units or more requirement, to a Certificate of Achievement.

5. Modify (or replace) the Application Software certificate to retain only CS 103 and 107 as core courses and add the courses of any two of the following certificates as electives - AWS, MEAN Stack, C++ Programming, Java Programming, Apple iOS, and Android.

6. Due to changes in Perkins funding model, the discipline should look into adding more employers and other members from the workforce, adding more Certificates of Achievement, increasing student completion rate, and starting a dialog with Cooperative

Education Program to enhance on-the-job learning opportunities and provide meaningful internship to students.

7. Due to the increased demand for people with data science skills, the discipline should consider adding a Data Science certificate.

8. The committee reviewed the curriculum for Full Stack web developer. The sequence of classes: CS 101, CIS 148, CS 112 and CS 157 was lauded by them. As it uses a single language JavaScript for all the four components of MEAN, it makes web site development more streamlined. Angular training easily translates to React programming. With Node.js students learn about server-side programming. This architecture makes it easy to create SPA (single page application) and implement RESTful APIs. The committee recommends that a Certificate of Achievement be created. Current industry trends support this recommendation. Center for Competitive Workforce website: https://competitiveworkforce.la/

Meeting adjourned at 2:00 pm.