Computer Science Advisory Board Meeting
Los Medanos College (Office of Instruction Conference Room CO-420; in the CORE Building)
October 24, 2013; 2:00 – 4:00 pm
Agenda

Topic	Lead	Time	Objective
Welcome	Clayton Smith	5 minutes	
Approve agenda Approve minutes	Clayton Smith	5 minutes	
Update on transfer degrees • Computer Science • Information Systems • Information & Communication Technologies	Louie Giambattista Clayton Smith	5 minutes	Information
Mapping courses to certifications • Most useful/beneficial certifications • New or revised courses needed	All	30 minutes	Information and action
Integrating cyber security • Into existing courses • New courses	All	30 minutes	Information and action
Program Student Learning Outcomes (PSLOs) • Revisions to draft PSLOs	All	15 minutes	Information and action
Round table	All	20 minutes	Information and announcements from board members
Other next steps	Clayton Smith	5 minutes	
Wrap up **Set next meeting date and time**	Clayton Smith	5 minutes	Feedback

Members Present:
Kit Pho (USS Posco), Mark Thomson (Shell), Gail Wilson (Bank Of America), Lucio Haro (LMC Student), Clayton Smith (Los Medanos College), Karen Stanton (Los Medanos College) and James Spagnol (Los Medanos College).

Members Not Present:
Michael Berringer (John Muir Health), Patrick Cho (East Bay Municipal Utilities District), Travis Cox (Parakletos Consulting), Jenny Geschwind (Robert Half Technology), Willy Marlin (Byron Unified School District), Jeff Montanez (Kaiser Permanente), Jim Morton (Contra Costa Water District), Tri Vo (Contra Costa County), Sandy Jones (Los Medanos College), and Louie Giambattista (Los Medanos College).

Welcome and Introductions:
Everyone was welcomed and introduced.

No Corrections were made to the minutes of the April 11, 2013 meeting. Feedback on the need of Small Business participation in the advisory board was noted.

Update on Computer Science Department Transfer Degrees:
The Computer Science AS-T degree is still being held up due to conflicting requirements of this degree and other degree programs on campus. The State organization creating course outlines and transfer curriculums released drafts of Information Systems (IS) and Information & Communication Technologies (ICT) transfer degrees in May. The IS degree was questioned on importance when told that only 4 CSU campuses still offer an IS degree. The general feeling was that IS degree is not that worthwhile, except perhaps for small business. The ICT degree was considered much more valuable one for students to pursue. The process for both degrees is still in the draft stage with earliest target date of offering complete degree programs being Fall 2015. In looking at these potential degrees it was felt by some that programming was useful and should be kept, while others felt that their companies had few employees with coding background because of the offshoring of such jobs. A question was asked regarding whether low enrollment in "capstone" courses was causing degree completion difficulties and the answer was that the need to transfer students has lessened this concern. Another question was asked regarding DVC and LMC working together towards degree completion and the answered was not formally, but there are students that take classes at both institutions. DVC has decided not to offer a Computer Science AS-T degree so this limits some coordination. There also was an effort to coordinate courses between the three colleges about 5 years ago before courses were cut back. Another question was would a student wanting to an IS degree only have one course to make up if the student took a business degree? and the answer was yes.

Integrating Cyber Security:
Information from Whatcom Community College (Washington State), National Initiative for Cybersecurity Education (NICE) and CyberWatch was disseminated and discussed. To the question of whether this should be infused into existing courses or new courses created the answer was both. One member pointed out that they have IRM (information and risk management) experts that keep information about their needs secretive by design. There is some need for a two year degree or certificate in security, but that higher degrees were needed for higher responsibilities. A SansIT security map was shown that breaks down training to careers in security. Members felt that students successfully completing a NSA backed curriculum would be in demand.

Mapping Courses to Certifications:
Clearly security, but what else should be infused into the certificate classes was asked and the example of SQL injection was given.

Program Student Learning Outcomes:
PSLOs for all of the Computer Science department's programs were sent out before the meeting. PSLOs, their relation ship to CSLOs, and the assessment of both were described and discussed. Assessment has been taking place at the course level, with program level assessment still to come. Members of the board felt that what we have was a good first iteration and down the road it will become more focused and measurable.

Round Table:
There seems to be more complexity in all business and government run institutions. It was pointed out that a recent employee left a company today with possibly only a 2 year degree and had other businesses clamoring for him due to his experience. Cloud computing is a big deal for reducing cost's for companies due to lack of expertise in-house to handle existing hardware and software and there are so many devices available to ease the jump to the Cloud. Challenges exist due to the global management with different laws around the many countries involved in businesses. Cybersecurity competitions would be a good way to attract students and more importantly, give them real world practice.

Wrap-Up:
New members are needed. Relating back to the suggestion at the beginning of the meeting for more small business involvement the suggestion was made to talk to the local chambers of commerce. Due to Mark Thompson's retirement, Alex Worlow will replace him. The consensus on the frequency of these meeting was twice a year.

Future meeting date:
Tentatively set for March 2014.

Meeting adjourned at 4:00 pm.