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Irvine Valley College
School of Business Sciences
Computer Information Management (CIM) Advisory Board Meeting
Friday, October 1, 2021, 10am - 2pm
The Hilton Waterfront Beach Resort
21100 Pacific Coast Hwy, Huntington Beach, CA 92648

Meeting Minutes

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Welcome Remarks

IVC CIM Curriculum Approval

CIM is in the early stages of a significant update to the curriculum (courses and awards) that has two goals. First, we want to streamline the series of courses a student needs to get an award. Our goal is to remove as many 'recommended electives' as possible and reduce the number of options that students have. This should help enrollments in the courses we do offer as well as increase student completion in our awards.

The second goal is to modernize our courses and awards. Since the Information Technology field changes fast, we wanted to update our existing courses and awards as well as create new courses and awards that will help our local population get jobs.

Attendees to this meeting received a copy of our 5-year plan (attached) and we discussed the changes we proposed.

Below are the programs that were discussed:

AESL/CIM Non-Credit Program

Discussion:

Our new pathway for Adult English-as-a-Second Language (AESL) students to provide them with workforce skills was discussed and very well received. Many industry partners ask about developing additional pathways for AESL students into other workforce fields.

Data Analytics Program
1. Data Analytics Fundamentals – Certificate of Achievement (COA)
2. Data Analytics Core - Certificate of Achievement (COA)
3. Data Analytics - Associate's Degree (AS)

Discussion:

Congratulations to IVC for the launch of the data analytics program. This will really put students ahead of the game in the competitive job market.

Alteryx will be available to support IVC in the areas of curriculum development. In the Educator space of Alteryx Community's site is a "Core Functionality" and tool slides that will be helpful to develop classroom materials.

There is a **Microsoft** training program called "Dashboard in a Day" which lasts six hours. Faculty can get training on-demand by emailing their Microsoft representative. The content for the training can be used to implement learning modules for students in a data analytics course at IVC.

The data analytics program should focus on these four areas:

1) Data Sourcing: where to source data
2) Data Factory: how to mine the data--cleansing, congruence, and SQL (Azure)
3) Power BI: the Microsoft application
4) Artificial Intelligence (AI): predictive forecasting and maintenance (Internet-of-Things)
   With a new data analytics program, you can integrate Excel and Power BI into learning and it is seamless with Excel.

Networking Program

1. IT Fundamentals - Certificate of Achievement (COA)
2. IT - Certificate of Achievement (COA)
3. IT - Associate's Degree (AS)

Discussion:

With **Cisco** moving to a three class series for their CCNA certification, updating this program is essential. Attendees also agreed that the change in names to Information Technology will help students find these programs and they more accurately explain what field they cover. Previous awards had industry jargon (like LAN, A+, and CCNA) in their titles.

Industry partners liked the idea of stacking the two COAs. The courses in both COAs are the required courses to get the AS Degree.

Cybersecurity Program

1. Cybersecurity Fundamentals - Certificate of Achievement (COA)
2. Cybersecurity - Certificate of Achievement (COA)
3. Cybersecurity - Associate's Degree (AS)

Discussion:

Everyone was in agreement that cybersecurity is one of the most important and growing fields in our area. Not having a program in this area has been a missed opportunity for both students and IVC. This program was well received and many agreed with focusing our courses on the most popular industry certifications.

Cloud Technology Program

1. Cloud Technology Fundamentals - Certificate of Achievement (COA)
2. Cloud Technology - Certificate of Achievement (COA)
3. Cloud Technology - Associate's Degree (AS)

Discussion:

Cloud technology is the next revolution in information technology and was very well received. Some of the faculty from colleges in the area have found success with their implementations of cloud technology. A nearby school has started teaching using Microsoft's Azure platform. Two industry partners present were both associated with **Microsoft** (former employees) and also advocated for Azure. Our program primarily teaches to the market leader (Amazon Web Services) but we will update our intro/survey course to include an introduction to Azure since that platform is growing quickly and exposure to it will benefit our students.

Business Applications Program
1. Business Applications Fundamentals - Certificate of Achievement (COA)
2. Business Applications - Certificate of Achievement (COA)
3. Business Applications - Associate's Degree (AS)

Discussion:

The launch of Windows 11 and Office 2019/365 presents a great opportunity to integrate all Microsoft programs into our course delivery. For example, instead of using Zoom, we can use Microsoft Teams to schedule class meetings and live, synchronous online sessions.

Web Development Program
1. Web Development - Certificate of Achievement (COA)

Discussion:

The web development program at IVC has been outdated for many years. The focus is to streamline it into just three classes and offer only a COA. This was well received and we had a few suggestions to focus a class entirely on JavaScript since that language is an important part of the web and an increasingly important part of developing cross platform applications (like Electron). Another suggestion was to focus the capstone class on e-commerce since that aspect of web development is still in demand.

Regional Collaboration - What's next?

Data Analytics: Alteryx to provide guest speaker(s) for IVC classes on the topic of careers in data analytics
Microsoft to schedule "Dashboard in a Day" Training for IVC faculty

Attendees:

From IVC

Roopa Mathur, CIM, Business Sciences, rmathur0@ivc.edu
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Michael Salviani, CIM, Business Sciences, msalviani@ivc.edu
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Industry Partners

Sherman Crancer, President, Crancer Group
His company provides training in many Microsoft products including PowerBI
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Education Partners

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Attachments

CIM 5-Year Plan

Team Photo
(LtR): *Carolina Kussoy, Charlotte Augenstein, Michael Salviani, Roopa Mathur*