PALM BEACH STATE

COLLEGE

COMPUTER SCIENCE CLUSTER MINUTES

August 19, 2016

10:45AM TO 12:00PM

BA 308

ITEM 1. Would you approve the language for the assessment for CGS1100 Microcomputer Applications to read in the Career Pathway agreement?

"Pass Palm Beach State College Challenge exam with 80% proficiency or provide verification of Microsoft Certification in Word, Excel, & PowerPoint at the Specialist level or higher level"

Discussion: Professor Martin suggested that the language should be "Pass Palm Beach State College Challenge exam with 80% proficiency or provide verification of Microsoft Certification in Word, Excel, PowerPoint, and Access at the Specialist level or higher level". He also mentioned that any student can take the CGS 1100 Microcomputer Application Challenge Exam. The cost is $45.00 payable to the cashier and $25.00 for the SAM Challenge Access Code.

Dr. Elizabeth I. Horvath said that Kathy Gamble emailed her that "Any action will need to be effective in the 2017-2018 Career Pathway Agreements to give the School District and PBSC adequate time to prepare for the change."

All of the members felt that it was important that the students had Access at the Specialist level.

Action: The members voted to have the agreement read "Pass Palm Beach State College Challenge exam with 80% proficiency or provide verification of Microsoft Certification in Word, Excel, PowerPoint, and Access at the Specialist level or higher level".

ITEM 2.   Please consider the revisions to the following CCCs which need to be revised in order to bring them into compliance with the State Frameworks.

Discussion: Dr. Ali Fazelpour suggested the revision of the Cisco Certified Network Associate (CCNA) Routing and Switching (6135) to match the 28 credit hours required to fulfil the competencies of the CIP#: 0511100115 (Advanced Network Infrastructure CCC) framework with a shorter length. This would also require a one credit class, to be developed by Dr. Ali Fazelpour, which will provide preparation for the CCENT exam.

CGS1100 Microcomputer Applications 3	NA
COP1000 Introduction to Programming Logic 3	CGS1100
CNT2000 Network Technologies 3	CGS1100
CTS2301 UNIX Installation and Administration Using LINUX 3	CGS1100
CTS1110 Microcomputer Operating Systems 3	CGS1100
CTS1650 CISCO Networking 1 3	CNT2000
CTS2651 CISCO Networking 2 3	CTS1650
CTS2652 CISCO Networking 3 3	CTS2651
CTS2653 CISCO Networking 4 3	CTS2652
CTSxxxx Cisco CCENT Certification Prep Exam 1 (New course)	CTS1650

Total Program credits: 28

Action: All cluster members approved the revised Cisco Certified Network Associate (CCNA) Routing and Switching (6135).

Discussion: Dr. Ali Fazelpour suggested the revision of the Cisco Certified Entry Networking Technician (CCENT) CCC (6542) to match the 16 credit hours required to fulfil the competencies of the CIP#: 0511100114 (Network Infrastructure CCC) framework. This would also require the same one credit class as mentioned above which will provide preparation for the CCENT exam.

CGS1100 Microcomputer Applications 3	NA
CNT2000 Network Technologies 3	CGS1100
CTS2301 UNIX Installation and Administration Using LINUX 3	CGS1100
CTS1650 Cisco Networking 1 3	CNT2000
CTS2651 Cisco Networking 2 3	CTS1650
CTSxxxx Cisco CCENT Certification Prep Exam 1 (New course)	CTS1650

Total Program credits: 16

Action: All cluster members approved the revised Cisco Certified Entry Networking Technician (CCENT) CCC (6542).

Cisco Certified Network Associate (CCNA) Security (6540)

CGS1100 Microcomputer Applications 3	NA
CNT2000 Network Technologies 3	CGS1100
CTS2301 UNIX Installation and Administration Using LINUX 3	CGS1100
CTS1650 CISCO Networking 1 3	CGS1100
CTS2651 CISCO Networking 2 3	CTS1650
CTS2664 Router and Switch Security 3	CTS2651
CNT2402 Implementing and Administering Network Security 3	CGS1100

Total Program Credits: 21

Discussion: Dr. Horvath mentioned that the CCC had the additional courses added to bring it the 21 credits of the new framework.

Action: All cluster members approved the revised Cisco Certified Network Associate (CCNA) Security (6540) CCC.

Information Security (6541)

CGS1100 Microcomputer Applications 3	NA
COP1000 Introduction to Programming Logic 3	CGS1100
CNT2000 Network Technologies 3	CGS1100
CTS2301 UNIX Installation and Administration Using LINUX 3	CGS1100
CTS2334 Local Area Networks 3	CNT2000 or CTS1110
CTS2320 Wide Area Networks 3	CNT2000 or CTS1110
CTS1110 Microcomputer Operating Systems 3	CGS1100
CNT2402 Implementing and Administering Network Security 3	CGS1100
CTS2120 Security Essentials 3	CGS1100
CTS2314 Attack Prevention and Detection 3	CNT2000

Total Program Credits: 30

Discussion: Dr. Horvath mentioned that the CCC had the additional courses added to bring it the 30 credits of the new framework.

Action: All cluster members approved the revised Information Security (6541) CCC.

ITEM 3.   Inactivate these courses and the Computer Information Security (4139) ATC since there have not been any completers in at least 5 years.

CNT2401 Computer Network Security Policy Development   3

CNT2407 Information Security Implementation and Standards   3

CNT2404 Network Attacks and Introduction to TCP/IP Security   3

CNT2405 Intrusion Detection Systems, Countermeasures and PKI   3

Discussion:

Action: All cluster members approved of removing the Computer Information Security (4139) ATC and deactivating the courses, since there is a new Information Security CCC which covers the same competencies.

ITEM 4.   Change pre-requisite for Advanced Web Page Applications (XML and JavaScript) (AA)

Course Description: XML is a mark-up language that is widely used in business applications to describe data, and JavaScript is one of the most popular scripting languages for creating dynamic web pages. Students will learn the techniques for writing well-formed XML, and some of the ways this mark-up language is used in business will be discussed. Using JavaScript, students will learn how to create animation, how to verify form data, and how to create web pages with an additional level of interactivity.

Change the Pre-requisite Courses from COP2822 or COP1220 or COP2800 to COP 2822 or COP 1000

Discussion: Pre-requisite Courses from COP2822 or COP1220 or COP2800 to COP 1000, since Dr. Virginia Carneiro De Paula felt that the students needed COP 1000 in order to have the skills to program in JavaScript.

Action: All cluster members approved this action.

ITEM 5.   New edition of the CIS 2321 Systems and Applications text

Title:	Systems Analysis and Design (with CourseMate Printed Access Card)
Author:	Harry J. Rosenblatt and Scott Tilley
Publisher:	Cengage
Edition:	11th
Year:	2017
ISBN:	ISBN-10: 1305494601	ISBN-13: 9781305494602

Discussion: Professor John Hadley said that he felt that it was important to have a current textbook, since he was teaching this class.

Action: All cluster members approved this action.

ITEM 6.　　　New edition of the CTS 1150 Computer Maintenance and Repair text. There are new CompTIA A+ certification exams.

Title:	CompTIA A+ 220-901 and 220-902 Cert Guide
Author:	By Mark Edward Soper, David L. Prowse, Scott Mueller
Publisher:	Published by Pearson IT Certification
Edition:	1st edition
Year:	2016
ISBN:	ISBN-10: 0789756528	ISBN-13: 978-0789756527

Discussion: The new certification exams required a new textbook.

Action: All cluster members approved this action.

ITEM 7.　　　Additional items.

Discussion: Dr. Ali Fazelpour suggested a course title change or CTS 2301 UNIX Installation Using Linux to CTS 2301 Linux Fundamentals.

Action: All cluster members approved this action.

Computer Science Cluster Members:

Amiruddin, Uzma
Carneiro De Paula, Virginia C
Fazelpour, Alireza
Gill, Sofia
Hadley, John
Horvath, Elizabeth I
Kline, Harold M
Martin, Tommy
Murcia, Jeanne A