

Palm Beach State College
Curriculum Committee Agenda
April 26, 2018 (Revised 04/25/18)

FA - Possible Financial Aid Action Warranted

Welcome

I. Approval of Minutes of March 29, 2018 Minutes

Discussion: None

Data sources consulted: Minutes

Action:

II. For Your Information

CCE/Avocational Course Dictionary Actions March 15 through April 17, 2018

New Avocational and CCE Courses	Title	Clock Hours
HEO0272	ESOL Basics for Early Childhood Education	16
HEO0273	Creating a Culture of Coaching	10
POO0563	Advanced Traffic Homicide Investigations	80
POO0564	Human Factors in Traffic Reconstruction	40
POO0565	Advanced Body Language and Situational Awareness	40
TIO0658	NCCER – Welding Level 2 Certification	230
YCO0727	3D Modeling with Maya 2	24
YCO0728	Abstract Painting	24
YCO0729	Contour Line Drawing Studio	24
YCO0730	Creating a Character	48
YCO0731	Creative Writing	24
YCO0732	Devised and Immersive Theatre	48
YCO0733	Digital Photography	24
YCO0734	Experimental Photography	24
YCO0735	Exploring Emotions	48
YCO0736	Figure Drawing Studio	24
YCO0737	Film and TV Production 1	24
YCO0738	Film and TV Production 2	24
YCO0739	Gesture Drawing Studio	24
YCO0741	Design and Sell Jewelry	12
YCO0742	Mixed Media Painting Studio	24
YCO0743	Painting with Acrylics Studio	24
YCO0744	Perspective Drawing Studio	24
YCO0745	Photography for Ads	24
YCO0746	Plein Air Drawing Studio	24
YCO0747	Portfolio Prep	48
YCO0748	Portrait Photography	24
YCO0749	Printmaking Studio	24
YCO0750	Scene Study	48

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YCO0751	Screen Writing	24
YCO0752	Sculpture Studio	24
YCO0753	Sound Effects for Video 1	24
YCO0754	Sound Effects for Video 2	24
YCO0755	Still Life Drawing Studio	24
YCO0756	Video Production for Social Media 1	24
YCO0757	Video Production for Social Media 2	24
YCO0758	Watercolor Painting Studio	24
YCO0759	Yes! Young Entrepreneurial Students Part 1	12
YCO0760	College Preparatory Writing	12
YCO0761	Ready, Set, Work with Google Apps!	12
YCO0762	Finance for Teens Part 1	12
YCO0763	FUNDamental Engineering	12
YCO0764	Think Smarter, Not Harder	12
YCO0765	Introduction to College Algebra	12
YCO0766	Make Your First 3D Video Game	12
YCO0767	Color Guard 101	30
YCO0768	Marching Band Pre-Drill and Leadership Workshop	30

Revised Avocational and CCE Courses	Title	Changes
AVO0532	Future Leadership	Change course title from <i>Future Leadership Boca</i> to Future Leadership; Change clock hours from 36 to 12; Change special fee from \$260.64 to \$109.88; Revise course description.
FFO0419	Basic Firefighter Course	Revise course description.
YCO0160	CSI Boca	Change course title from Forensic Files to CSI Boca; Change special fee from \$86.88 to \$109.88; Revise course description.
YCO0261	Before/After Camp	Change course title from <i>Before Care Week 1</i> to <i>Before/After Camp</i> , Change clock hours from 8 to 3; Change special fee from \$24.92 to \$24.97; Revise course description.
YCO0708	Illustrator	Change course title from <i>No More Pencils</i> to <i>Illustrator</i> ; Change special fee from \$309.52 to \$349.52; Revise course description.
YCO0712	Photoshop	Change course title from <i>Manipulation Nation</i> to <i>Photoshop</i> ; Change special fee from \$309.52 to \$349.52; Revise course description.

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YCO0713	Graphic Design	Change course title from <i>Design of the Times</i> to <i>Graphic Design</i> ; Change special fee from \$309.52 to \$349.52; Revise course description.
YCO0715	Web Design	Change course title from <i>Put It on the Web</i> to <i>Web Design</i> ; Change special fee from \$309.52 to \$349.52; Revise course description.

Five Year Rule Course: SPC2511 Argumentation and Debate not being end termed effective 2018-3. The Dean of Curriculum granted approval to delay the deactivation and follow up until after Fall term to check if the class will make. If it does not, it will be removed effective Spring Term 2019-2.

CIP Number Changes per the 2017-18 Change Document

Program Title & Code Number	CIP Number	Effective Date
Early Childhood Education AS 2358	1413121004	August 2017
Life, Health, Variable Annuities Agent PSAV 5470	0252190809	January 2017
Massage Therapy PSAV 5232	0351350102	August 2017
Practical Nursing PSAV 5234	0351390101	August 2017
Internet Service Technology AS 2122	1511080103	August 2017

III. Old Business

Discussion: NA

Data sources consulted: Curriculum Support Documents

Action:

IV. New Business

Credits/Clock Hours

A. Computer Science and Information Technology

<u>New Courses</u>	Effective January 2019 (20192)
CAP2XXX (requested CAP2140) Digital Forensics 1 (3 credits, 3 lecture contact hours, AW grading system, prerequisites CTS2120, CNT2402, with a grade of C, course learning outcomes, no special fee)	3
CTS2XXX (requested CTS2665) Routing and Switching Fundamentals (3 credits, 3 lecture contact hours, AW grading system, prerequisite CTS2651 with a grade of C, course learning outcomes, no special fee)	3
<u>Revised Courses</u>	Effective January 2019 (20192)
CIS2321 Systems and Applications (course title change to System Analysis and Design) (course also in AS2122)	3
CNT2700 TCP/IP and Network Administration (requested CET2793, course title change to Windows Network Infrastructure)	3
COP1000 Introduction to Programming Logic (course title change to Introduction to Programming) (course also in AS2122, CCC6138, CCC6142, CCC6144, CCC6145)	3
COP2700 Introduction to SQL in Oracle (course title change to Introduction to Database) (course also in AS2580, AS2122, CCC6138)	3

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CTS1110	Microcomputer Operating Systems (add co-requisite CGS1100)	3
CTS1650	Cisco Networking 1 (course title change to Network Essentials)	3
CTS2301	Linux Fundamentals (add co-requisite CGS1100)	3
CTS2320	Wide Area Networks (requested CET2794, course title change to Microsoft Network Administration)	3
CTS2334	Local Area Networks (requested CET2792, course title change to Network Design and Analysis) (course also in CCC6143)	3
CTS2651	Cisco Networking 2 (course title change to Router Technology)	3
CTS2652	Cisco Networking 3 (course title change to Advanced Routing Technology)	3
CTS2653	Cisco Networking 4 (course title change to Cisco Project Based Learning)	3

Revised Programs

Effective January 2019 (20192)

Current Networking Administrator AS 2123			Current Networking Administrator AS 2123		
General Education		Credits: 18	General Education		Credits: 15
ENC1101	College Composition I (A.S. students)	3	ENC1101	College Composition I (A.S. students)	3
	Any course from Mathematics - Area III	3		Any course from Mathematics - Area III	3
SPC1017	Fundamentals of Speech Communication	3		Any course from Social Science - Area V	3
	Any course from Social Science - Area V	3		Any course from Humanities - Area II	3
	Any course from Humanities - Area II	3	HSC1101	Contemporary Issues in Health	
HSC1101	Contemporary Issues in Health			-or-	
	-or-		HSC2100	Health Concepts and Strategies	3
HSC2100	Health Concepts and Strategies	3			
Required Courses		Credits: 33	Required Courses		Credits: 24
CIS2321	Systems and Applications	3	CTS2301	Linux Fundamentals	3
CTS2334	Local Area Networks	3	CTS1110	Microcomputer Operating Systems	3
CTS2320	Wide Area Networks	3	CNT2000	Network Technologies	3
CTS2301	Linux Fundamentals	3	CTS1150	Computer Maintenance and Repair	3
CNT2700	TCP/IP and Network Administration	3	CGS1100	Microcomputer Applications	3
	Any course from Mathematics - Area III	3			
CNT2402	Implementing and Administering Network Security	3	COP1000	Introduction to Programming	3
CTS1110	Microcomputer Operating Systems	3		Information Technology Project Management	3
CNT2000	Network Technologies	3		Security Essentials	3
CTS1150	Computer Maintenance and Repair	3			
CGS1100	Microcomputer Applications	3			
COP1000	Introduction to Programming Logic	3			
Business/Computer Electives - 9 Credits Required		Credits: 9	Computer Networking Electives		Credits: 18
	Any courses with the prefix CIS, CGS, CNT, COP, CTS, ACG, APA, ECO, or GEB*	9		Choose 18 Credits	

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Total Program Credits: 60			CET2792 Req.	Network Design and Analysis	3	
*A course cannot be used more than once in the program.			CET2793 Req.	Windows Network Infrastructure	3	
			CNT2402	Implementing and Administering Network Security	3	
			CET2794 Req.	Microsoft Network Administration	3	
			CTS1650	Network Essentials	3	
			CTS2651	Router Technology	3	
			CTS2652	Advanced Routing Technology	3	
			CTS2XXX	Routing and Switching Fundamentals (new)	3	
			CTS2664	Router and Switch Security	3	
			CTS2653	Cisco Project Based Learning	3	
			CTS2314	Attack Prevention and Detection	3	
			CAP2XXX	Digital Forensics 1 (new)	3	
			Business/Computer Electives - 3 Credits Required			Credits: 3
				Any courses with the prefix CIS, CGS, CNT, COP, CTS, ACG, APA, ECO, or GEB*	3	
			Total Program Credits: 60			
			*A course cannot be used more than once in the program.			

Current Program Learning Outcomes Networking Administrator	Current Program Learning Outcomes Networking Administrator
#1 Demonstrate competency in installing, repairing, servicing, troubleshooting and upgrading computers.	#1 Utilize online resources to locate and evaluate technical information and documentation, as well as develop, utilize and maintain system documentation as needed.
#2 Identify the role and function of various technologies, including computer hardware, network operating systems and networking hardware.	#2 Identify, describe, and resolve issues related to networked environments, such as security, access control, fair use, privacy, and redundancy.
#3 Identify the components of operating systems and their functionalities.	#3 Compare and contrast major functions and features of current network operating systems.
#4 Demonstrate skills in installation, configuration, maintenance, troubleshooting, and upgrade of Windows and Linux workstations and servers.	#4 Choose appropriate actions in situations that require effective time management and understand the basic tools and techniques to plan, organize, and manage a project.
#5 Implement solutions to network security threats.	#5 Demonstrate proficiency to analyze computer systems to identify common security threats and vulnerabilities and the corresponding best practices for mitigation.

Current Computer Programming AS 2126	Proposed Computer Programming AS2126 CIP 1511020101
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General Education		Credits: 18	General Education		Credits: 15
ENC1101	College Composition 1 (A.S. students)	3	ENC1101	College Composition 1 (A.S. students)	3
	Any MAC prefix course from Mathematics - Area III	3		Any MAC prefix course from Mathematics - Area III	3
SPC1017	Fundamentals of Speech Communication	3			
	Any course from Humanities - Area II	3		Any course from Humanities - Area II	3
	Any course from Social Science - Area V	3		Any course from Social Science - Area V	3
HSC1101	Contemporary Issues in Health		HSC1101	Contemporary Issues in Health	
	-or-			-or-	
HSC2100	Health Concepts and Strategies	3	HSC2100	Health Concepts and Strategies	3
Required Courses		Credits: 21	Required Courses		Credits: 24
CGS1100	Microcomputer Applications	3	CGS1100	Microcomputer Applications	3
COP1000	Introduction to Programming Logic	3	COP1000	Introduction to Programming	3
CIS2321	Systems and Applications	3	CIS2321	Systems Analysis and Design	3
COP2700	Introduction to SQL in Oracle	3	COP2700	Introduction to Database	3
CIS2513	Information Technology Project Management	3	CIS2513	Information Technology Project Management	3
CNT2000	Network Technologies	3	CNT2000	Network Technologies	3
CTS2301	Linux Fundamentals	3	CTS2301	Linux Fundamentals	3
			CTS2120	Security Essentials	3
Programming Languages - Choose 15 credits		Credits: 15	Programming Languages - Choose 15 credits		Credits: 15
COP1220	Introduction to Programming in C	3	COP1220	Introduction to Programming in C	3
COP2334	Programming in C++	3	COP2334	Programming in C++	3
COP2800	Programming in Java	3	COP2800	Programming in Java	3
COP2840	Server-side Programming	3	COP2840	Server-side Programming	3
COP1332	Visual Basic Programming	3	COP1332	Visual Basic Programming	3
COP2805	Advanced Java Programming	3	COP2805	Advanced Java Programming	3
COP2831	Advanced Web Page Applications (XML and JavaScript)	3	COP2831	Advanced Web Page Applications (XML and JavaScript)	3
COP2360	C# Programming	3	COP2360	C# Programming	3
COP2660	Android Programming	3	COP2660	Android Programming	3
COP2654	Objective C Programming	3	COP2654	Objective C Programming	3
CTS2446	Introduction to Oracle Database Programming	3	CTS2446	Introduction to Oracle Database Programming	3
CTS2447	Oracle Database Advanced PL-SQL	3	CTS2447	Oracle Database Advanced PL-SQL	3
COP1030	Python with Raspberry Pi	3	COP1030	Python with Raspberry Pi	3
COP2657	Cross Platform Mobile App Development	3	COP2657	Cross Platform Mobile App Development	3
COP2664	iOS App Programming	3	COP2664	iOS App Programming	3
Business/Computer Electives		Credits: 6	Business/Computer Electives		Credits: 6
	Choose 6 Credits*			Choose 6 Credits*	
	Any courses with the prefix CIS, CGS, CNT, COP, CTS, ACG, APA, ECO, or GEB	6		Any courses with the prefix CIS, CGS, CNT, COP, CTS, ACG, APA, ECO, or GEB	6
Total Program Credits: 60			Total Program Credits: 60		

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* A course cannot be used more than once in the program.	* A course cannot be used more than once in the program.
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Current Program Learning Outcomes Computer Programming	Proposed Program Learning Outcomes Computer Programming
#1 Demonstrate the ability to understand a problem and develop logically structured and modular solutions through the use of flowcharts, pseudo-code, UML charts and diagrams.	#1 Demonstrate the ability to develop logically structured and modular solutions by analyzing and assessing a problem.
#2 Design and implement computer solutions for problems using modern programming languages such as C, C++, Java, Python, and C#.	#2 Design, implement, and evaluate computer solutions utilizing structured and object-oriented programming methodologies.
#3 Create control structures, methods with the appropriate parameters, data structures of the appropriate type, and implement algorithms to solve problems.	#3 Create control structures, methods with the appropriate parameters, and data structures of the appropriate type, and implement algorithms to solve problems.
#4 Develop application software that can access files and databases.	#4 Demonstrate proficiency in analyzing customer needs and developing user support strategies.
#5 Develop a strategy for software development.	#5 Demonstrate and implement a fundamental proficiency in understanding computer-networking concepts.

Current Cisco Certified Entry Network Technician (CCENT) CCC 6542			Proposed Network Infrastructure CCC 6542		
Required Courses		Credits: 16	Required Courses		Credits: 15
CGS1100	Microcomputer Applications	3	CGS1100	Microcomputer Applications	3
CNT2000	Network Technologies	3	CNT2000	Network Technologies	3
CTS2301	Linux Fundamentals	3			
CTS1650	Cisco Networking 1	3	CTS1650	Network Essentials	3
CTS2651	Cisco Networking 2	3	CTS2651	Router Technology	3
CTS2661	Cisco CCENT Certification Prep Exam	1	CTS2XXX	Routing and Switching Fundamentals (new)	3
Total Program Credits: 16			Computer Networking Electives		Credits: 6
				Choose 6 Credits	
			COP1000	Introduction to Programming	3
			CTS2120	Security Essentials	3
			CTS1150	Computer Maintenance and Repair	3
			CTS1110	Microcomputer Operating System	3
			CIS2513	Information Technology Project Management	3
			CET2792 Req.	Network Design and Analysis	3
			CET2793 Req.	Windows Network Infrastructure	3
			CNT2402	Implementing and Administering Network Security	3
			CET2794 Req.	Microsoft Network Administration	3

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			CTS2652	Advanced Routing Technology	3
			CTS2664	Router and Switch Security	3
			CTS2653	Cisco Project Based Learning	3
			CTS2314	Attack Prevention and Detection	3
			CAP2XXX	Digital Forensic 1 (new)	3
Total Program Credits: 21					

Current Cisco Certified Network Associate (CCNA) Routing and Switching CCC 6135			Proposed Advanced Network Infrastructure CCC 6135		
Required Courses		Credits: 28	Required Courses		Credits: 36
CGS1100	Microcomputer Applications	3	CGS1100	Microcomputer Applications	3
CNT2000	Network Technologies	3	CNT2000	Network Technologies	3
COP1000	Introduction to Programming Logic	3			
CTS1110	Microcomputer Operating Systems	3	CTS1110	Microcomputer Operating Systems	3
CTS2301	Linux Fundamentals	3	CTS2301	Linux Fundamentals	3
CTS1650	CISCO Networking 1	3	CTS1650	Network Essentials	3
CTS2651	CISCO Networking 2	3	CTS2651	Router Technology	3
CTS2652	CISCO Networking 3	3	CTS2652	Advanced Routing Technology	3
CTS2653	CISCO Networking 4	3	CTS2653	Cisco Project Based Learning	3
CTS2664	Cisco CCENT Certification Prep Exam	4	CTS1150	Computer Maintenance and Repair	3
Total Program Credits: 28			CTS2120	Security Essentials	3
			CTS2664	Router and Switch Security	3
			CTS2XXX	Routing and Switching Fundamentals (new)	3
Total Program Credits: 36					

Current Cisco Certified Network Associate (CCNA) Security CCC 6540			Current Network Support Technician CCC 6540		
Required Courses		Credits: 21	Required Courses		Credits: 15
CGS1100	Microcomputer Applications	3	CGS1100	Microcomputer Applications	3
CNT2000	Network Technologies	3	CNT2000	Network Technologies	3
CTS2301	Linux Fundamentals	3	CTS1150	Computer Maintenance and Repair	3
CTS1650	CISCO Networking 1	3	CTS1110	Microcomputer Operating Systems	3
CTS2651	CISCO Networking 2	3	CTS2120	Security Essentials	3
CTS2664	Router and Switch Security	3	Computer Networking Electives		Credits: 6
CNT2402	Implementing and Administering Network Security	3		Choose 6 Credits	
Total Program Credits: 21			COP1000	Introduction to Programming	3
			CTS1110	Microcomputer Operating Systems	3
			CIS2513	Information Technology Project Management	3

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			CET2792 Req.	Network Design and Analysis	3
			CET2793 Req.	Windows Network Infrastructure	3
			CNT2402	Implementing and Administering Network Security	3
			CET2794 Req.	Microsoft Network Administration	3
			CTS2652	Advanced Routing Technology	3
			CTS2664	Router and Switch Security	3
			CTS2653	Cisco Project Based Learning	3
			CTS2314	Attack Prevention and Detection	3
			CAP2XXX	Digital Forensic 1 (new)	3
			CTS1650	Network Essentials	3
			CTS2651	Router Technology	3
Total Program Credits: 21					

Current Computer Programming Specialist CCC 6141			Proposed Computer Programming Specialist CCC 6141		
Required Courses		Credits: 9	Required Courses		Credits: 9
CGS1100	Microcomputer Applications	3	CGS1100	Microcomputer Applications	3
COP1000	Introduction to Programming Logic	3	COP1000	Introduction to Programming	3
COP2840	Server-side Programming *	3	CIS2321	Systems Analysis and Design	3
Electives - Choose 9 credits		Credits: 9	Programming Language Electives		Credits: 9
	Any three COP programming classes	9		Choose 9 Credits	
Total Program Credits: 18			COP1220	Introduction to Programming in C	3
			COP2800	Programming in Java	3
			COP2840	Server-Side Programming	3
			COP1332	Visual Basic Programming	3
			COP2805	Advanced Java Programming	3
			COP2831	Advanced Web Page Applications (XML and JavaScript)	3
			COP2360	C# Programming	3
			COP2660	Android Programming	3
			COP2654	Objective C Programming	3
			COP2700	Introduction to Database	3
			CTS2446	Introduction to Oracle Database Programming	3
			CTS2447	Oracle Database Advanced PL-SQL	3
			COP1030	Python with Raspberry Pi	3
			COP2657	Cross Platform Mobile App Development	3
			COP2664	iOS App Programming	3
Total Program Credits: 18					

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*Student will need to complete COP1220, COP1332, COP2334, COP2800 or COP2831 to enroll in this certificate course.

Current Programming CCC 6137			Proposed Programming CCC 6137 CIP 0511020200		
Required Courses		Credits: 15	Required Courses		Credits: 18
CGS1100	Microcomputer Applications	3	CGS1100	Microcomputer Applications	3
COP1000	Introduction to Programming Logic	3	COP1000	Introduction to Programming	3
CIS2321	Systems and Applications	3	CIS2321	Systems Analysis and Design	3
CNT2000	Network Technologies	3	CNT2000	Network Technologies	3
CTS2301	Linux Fundamentals	3	CTS2301	Linux Fundamentals	3
			CIS2513	Information Technology Project Management	3
Programming Languages – Choose 12 credits		Credits: 12	Programming Languages - Choose 15 credits		Credits: 15
COP1220	Introduction to Programming in C	3	COP1220	Introduction to Programming in C	3
COP2334	Programming in C++	3	COP2334	Programming in C++	3
COP2800	Programming in Java	3	COP2800	Programming in Java	3
COP2840	Server-Side Programming	3	COP2840	Server-Side Programming	3
COP1332	Visual Basic Programming	3	COP1332	Visual Basic Programming	3
COP2805	Advanced Java Programming	3	COP2805	Advanced Java Programming	3
COP2831	Advanced Web Page Applications (XML and JavaScript)	3	COP2831	Advanced Web Page Applications (XML and JavaScript)	3
COP2360	C# Programming	3	COP2360	C# Programming	3
COP2660	Android Programming	3	COP2660	Android Programming	3
COP2654	Objective C Programming	3	COP2654	Objective C Programming	3
COP2700	Introduction to SQL in Oracle	3	COP2700	Introduction to Database	3
CTS2446	Introduction to Oracle Database Programming	3	CTS2446	Introduction to Oracle Database Programming	3
CTS2447	Oracle Database Advanced PL-SQL	3	CTS2447	Oracle Database Advanced PL-SQL	3
COP1030	Python with Raspberry Pi	3	COP1030	Python with Raspberry Pi	3
COP2657	Cross Platform Mobile App Development	3	COP2657	Cross Platform Mobile App Development	3
COP2664	iOS App Programming	3	COP2664	iOS App Programming	3
Total Program Credits: 27			Total Program Credits: 33		

Current Information Management CCC 6136			Proposed Network Server Administration CCC 6136		
Required Courses		Credits: 24	Required Courses		Credits: 24
CGS1100	Microcomputer Applications	3	CGS1100	Microcomputer Applications	3
COP1000	Introduction to Programming Logic	3	CTS1110	Microcomputer Operating Systems	3
CTS1110	Microcomputer Operating Systems	3	CNT2000	Network Technologies	3
CNT2000	Network Technologies	3	CET2792 Req.	Network Design and Analysis	3
CTS2301	Linux Fundamentals	3	CET2793 Req.	Windows Network Infrastructure	3
CNT2402	Implementing and Administering Network Security	3	CET2794 Req.	Microsoft Network Administration	3
CTS2334	Local Area Networks	3	CTS2120	Security Essentials	3
CTS2320	Wide Area Networks	3	CTS1150	Computer Maintenance and Repair	3

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Total Program Credits: 24			Networking Electives		Credits: 6
				Choose 6 Credits	
			CTS2301	Linux Fundamentals	3
			CNT2402	Implementing and Administering Network Security	3
			COP1000	Introduction to Programming	3
			CTS1650	Network Essentials	3
			CTS2651	Router Technology	3
			CTS2652	Advanced Routing Technology	3
			CTS2XXX	Routing and Switching Fundamentals (new)	3
			CTS2664	Router and Switch Security	3
			CTS2653	Cisco Project Based Learning	3
			CTS2314	Attack Prevention and Detection	3
			CAP2XXX	Digital Forensics 1 (new)	3
Total Program Credits: 30					

Current Information Security CCC 6541			Proposed Network Security CCC 6541		
Required Courses		Credits: 30	Required Courses		Credits: 24
CGS1100	Microcomputer Applications	3	CNT2000	Network Technologies	3
COP1000	Introduction to Programming Logic	3	CTS2301	Linux Fundamentals	3
CNT2000	Network Technologies	3	CTS2120	Security Essentials	3
CTS2301	Linux Fundamentals	3	CTS2314	Attack Prevention and Detection	3
CTS2334	Local Area Networks	3	CTS1110	Microcomputer Operating Systems	3
CTS2120	Security Essentials	3	CNT2402	Implementing and Administering Network Security	3
CTS2314	Attack Prevention and Detection	3	CTS1150	Computer Maintenance and Repair	3
CTS2320	Wide Area Networks	3	CAP2XXX	Digital Forensics 1 (new)	3
CTS1110	Microcomputer Operating Systems	3	Computer Networking Electives		Credits: 6
CNT2402	Implementing and Administering Network Security	3		Choose 6 Credits	
Total Program Credits: 30			COP1000	Introduction to Programming	3
			CIS2513	Information Technology Project Management	3
			CET2792 Req.	Network Design and Analysis	3
			CET2793 Req.	Windows Network Infrastructure	3
			CET2794 Req.	Microsoft Network Administration	
			CTS2652	Advance Routing Technology	3
			CTS2664	Router and Switch Security	3
			CTS2653	Cisco Project Based Learning	3
			CTS1650	Network Essentials	3
			CTS2651	Router Technology	3
Total Program Credits: 30					

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Justification: Course Addition of CAP2XXX-The Florida Department of Education Framework for PBSC program Information Security (6541) includes the following standard: 05.0 Demonstrate proficiency in the essential elements of forensic analysis which requires the addition of this course to meet the Standard’s requirements. Regarding CTS2XXX-This course will replace the CTS2661 course with a more comprehensive course preparing the student for more than one Industry certification exam with 3 credit hours rather than 1. All course title changes are based on the recommendations of the Business Advisory Council to change the name to align with the concepts rather than vendor specific. Co-requisites added to CTS1110 and CTS2301. Programs were renamed and revised to align with Department of Education framework and program name.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

Deleted Program

Effective January 2019 (20192)

Program Title & Code Number	Last Term Offered	Credit/Clock Hours
Web Development Specialist CCC 6138*	January 2019 (20192)	36
Information Technology Administration CCC 6142*	January 2019 (20192)	18
Java Programming CCC 6144*	January 2019 (20192)	21
Mobile Application Development CCC 6145*	January 2019 (20192)	27
Internet Service Technology AS 2122*	January 2019 (20192)	60

*Courses remain in other programs

Justification: Web Development Specialist CCC and Information Technology Administration CCC being deleted due to corresponding AS programs required for CCC offering which they don’t have. Java Programming and Mobile Application Development CCC does not align with any Department of Education framework not already offered by PBSC. The demand for the Internet Service Technology AS program has significantly diminished over time since inception and efforts to turn it around have been unsuccessful. Statewide numbers have reflected the same decline in completion over time.

Year	PBSC Completion	Year	State Completion
10/11	5	10/11	62
11/12	9	11/12	56
12/13	5	12/13	62
13/14	3	13/14	54
14/15	7	14/15	47
15/16	5	15/16	44
16/17	2	16/17	Not known

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

B. Health Science

Nursing AS 2301

Revised Program

Effective January 2019 (20192)

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April 26, 2018 (Revised 04/25/18)

Current Program Description	Proposed Program Description
<p>This degree program focuses on wellness of self and others; technical nursing skills across the life span in acute care facilities, long-term care facilities and the community environment; critical care concepts; and professional development.</p>	<p>The nursing program at Palm Beach State College focuses on nursing as a caring and humanistic discipline. Nursing encompasses evidenced based practice, the use of critical thinking and commitment to life-long learning. The goals are to improve the overall health and wellness, to enhance the quality of life, and to meet the needs of our diverse community. Core values of the art and science of nursing encompass caring, compassion, diversity, ethics, excellence, holism, integrity, and patient-centeredness. The nursing faculty at Palm Beach State College believe in a culture of excellence that provides individualized, safe care for patients, families and communities. The instructional process is designed to guide the student to achieve mastery of the course learning outcomes through active engagement utilizing a variety of methods. The program time is divided among learning activities that include clinical, didactic, skills, and simulation.</p>

Justification: Program Description to be changed to reflect revision to curriculum.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

C. Public Safety

Fire Science Technology AS

Deleted Courses

Last Term Offered January 2019 (20192)

Course Prefix/Number	Course Title	Last Term Offered	Credits
FFP2706*	Public Information Officer	Spring 2019 (20192)	3
FFP2780*	Fire Service Administration	Spring 2019 (20192)	3
FFP2111	Fire Chemistry	Spring 2019 (20192)	3

*5 Year Rule Courses

Revised Program

Effective January 2019 (20192)

Current Fire Science Technology AS 2195			Proposed Fire Science Technology AS 2195		
General Education		Credits: 18	General Education		Credits: 18
<u>ENC1101</u>	<u>College Composition 1</u>	3	ENC1101	College Composition 1	3
<u>POS1041</u>	<u>Introduction to American Government</u>	3	POS1041	Introduction to American Government	3

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<u>SPC1017</u>	<u>Fundamentals of Speech Communication</u>	3	SPC1017	Fundamentals of Speech Communication	3
<u>MAC1105</u>	<u>College Algebra</u>	3	MAC1105	College Algebra	3
	-or-			-or-	
	Any course from Mathematics - Area III	3		Any course from Mathematics - Area III	3
	Any course from Humanities - Area II	3		Any course from Humanities - Area II	3
	Any course from Natural Sciences - Area IV, Tier 1 & 2	3		Any course from Natural Sciences - Area IV, Tier 1 & 2	3
Required Courses		Credits: 27	Required Courses		Credits: 27
<u>FFP1505</u>	<u>Fire Prevention</u>	3	FFP1505	Fire Prevention	3
<u>FFP1540</u>	<u>Private Fire Protection Systems</u>	3	FFP1540	Private Fire Protection Systems	3
<u>FFP2120</u>	<u>Building Construction Fire Protection</u>	3	FFP2120	Building Construction Fire Protection	3
<u>FFP2612</u>	<u>Fire Behavior and Combustion</u>	3	FFP2612	Fire Behavior and Combustion	3
<u>FFP2720</u>	<u>Company Officer and Leadership</u>	3	FFP2720	Company Officer and Leadership	3
<u>FFP2206</u>	<u>Principles of Fire and Emergency Services Safety and Survival</u>	3	FFP2206	Principles of Fire and Emergency Services Safety and Survival	3
<u>FFP2111</u>	<u>Fire Chemistry</u>	3	<u>FFP1000</u>	<u>Introduction to Fire Science</u>	3
<u>FFP2770</u>	<u>Legal and Ethical Issues for the Fire Service</u>	3	FFP2770	Legal and Ethical Issues for the Fire Service	3
<u>FFP1301</u>	<u>Fire Hydraulics</u>	3	FFP1301	Fire Hydraulics	3
Electives - Choose 15 credits		Credits: 15	Electives - Choose 15 credits		Credits: 15
<u>FFP2740</u>	<u>Fire Service Course Delivery</u>	3	FFP2740	Fire Service Course Delivery	3
<u>FFP1000</u>	<u>Introduction to Fire Science</u>	3	FFP2521	Blueprint Reading and Plan Examination	3
<u>FFP2810</u>	<u>Firefighting Strategy and Tactics 1</u>	3	FFP2810	Firefighting Strategy and Tactics 1	3
<u>FFP2811</u>	<u>Firefighting Strategy and Tactics 2</u>	3	FFP2811	Firefighting Strategy and Tactics 2	3
<u>FFP2741</u>	<u>Fire Service Course Design</u>	3	FFP2741	Fire Service Course Design	3
<u>FFP2541</u>	<u>Private Fire Protection Systems 2</u>	3	FFP2541	Private Fire Protection Systems 2	3
<u>FFP2510</u>	<u>Related Fire Codes and Standards</u>	3	FFP2510	Related Fire Codes and Standards	3
<u>FFP2521</u>	<u>Blueprint Reading and Plan Examination</u>	3	EMS1158C	Emergency Medical Technician	12
<u>FFP2780</u>	<u>Fire Service Administration</u>	3	Total Program Credits: 60		
<u>FFP2706</u>	<u>Public Information Officer</u>	3			
Total Program Credits: 60					

Current Program Learning Outcomes Fire Science Technology	Proposed Program Learning Outcomes Fire Science Technology
#1 Fire dynamics the chemical and physical properties of fire and the methods to extinguish fires.	#1 Identify, examine and apply current and emerging concepts and practices of Fire and Emergency Services.
#2 Demonstrate knowledge of building construction that relate to fire and life safety.	#2 Analyze the theories and fundamentals of how and why fires start, spread and are controlled.
#3 Understand the history and philosophy of fire prevention, including code enforcement, public information, use of fire codes and fire	#3 Identify the principles of using water in fire-protection to include the application of hydraulic principles to

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investigations	analyze and calculate water supply equations.
#4 Demonstrate knowledge of water dynamics hydraulic principles.	#4 Students will examine the historical and current causes of firefighter line of duty deaths and demonstrate the ability to correlate identified hazards with proper risk reduction actions.
#5 Discuss fire protection career opportunities in fire protection and related fields, know the philosophy and history of fire protection/services fire loss analysis and public/private fire protection services.	#5 Demonstrate the theoretical application of the principles of command management and leadership in emergency and non-emergency situations.
#6 Describe the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems and water supply for fire protection and portable fire extinguishers.	#6 Demonstrate ability to work with a team and work professionally with a diverse population in high-stress environments.
#7 Demonstrate knowledge of fire department organization and procedures, and use of fire department management concepts and principles that lead to effective supervision and leadership.	#7 Identify the history and philosophies of fire prevention and describe their relationships to modern building construction, code enforcement, fire investigation and fire protection systems.
#8 Define risk evaluation and control procedures for fire stations, training sites, emergency vehicles and emergency situations involving fire, EMS, Hazardous Materials and technical rescue.	#8 Identify the fundamental and technical knowledge required to quickly assess emergency scene conditions and initiate an effective incident action plan.
#9 Discuss the federal state and local laws that regulate emergency services, national standards influencing emergency services, standards of care, tort liability and review of court cases for emergency responders.	
#10 Comprehend basic chemistry relating to the categories of hazardous materials including problems of recognition, reactivity and health encountered by firefighters.	

Justification: The current program learning outcomes for the Fire Science Technology A.S. degree program do not accurately reflect the current trends of the fire service. Additionally the current outcomes do not allow for proper assessment of student learning outcomes based on the new measures that are in place. The Fire Science Technology program is currently updating course material that along with the new program learning outcomes will allow for more accurate assessment of both student learning performance and instructor effectiveness.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

D. Motion to Dismiss

Discussion: NA

Action:

The Curriculum Agendas and Minutes are at <http://www.palmbeachstate.edu/curriculum-development>.

The Curriculum Committee meetings will be held in ETA 101 in Lake Worth and will be available for members and presenters in the reserved conference rooms at the other college locations. (Belle Glade TEC220, Boca Raton AD 406, Lake Worth ETA 101, Loxahatchee LGA 216, and Palm Beach Gardens AD 207)

Attendance	Faculty and Instructors
	Susan Aguila, English/LIT – 1 st Year LW
	Cynthia Alexandre, Mathematics - 2nd Year LW
	Emmanuel Alvarado, Spanish – 1 st Year PBG
	Patty Braga, Sonography - 2 nd Year, PBG

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	Robin D'Agati, Accounting – 1 st Year LW
	Timothy Finamore, Math – 1 st Year BR
	Wendy Mendez-Hasselmann, Spanish - 2 nd Year BR
	Hector Hernandez, BAS IM – 2 nd Year District
	Dan Neff, Trade & Industry – 2 nd Year LW
	Chastity O'Malley, Biology – 1 st Year BR
	Trineshia Sellars, Chemistry – 1 st Year LW
	Zenaida Espinosa, Interior Design – CHAIR 3 rd Year LW
	Administrative Members
	Dr. Velmarie Albertini – Dean Curriculum – 1 st Year District (Non-voting)
	Mike Sfiropoulos, Interim Academic Associate Dean -2 nd Year LW
	Michelle Williams, Campus Registrar – 1 st Year BG & Lox
	Teresa Armas, Financial Aid Associate Director
	Peter Biegel, Interim College Registrar, SR
	Kathleen Karran-Mccoy, Interim Dean, Student Development - 2 nd Year District
	Geri Spain, Academic Services (Non-voting)

Presenters:

Guests:

Degree Type	Program Action			Course Action		
	New	Rev	Delete	New	Rev	Delete
BAS/BS						
AA						
AS						
ATC						
ATD						
CCC						
College Prep						
PSAV						
TOTAL						