

Palm Beach State College
Curriculum Committee Agenda
November 19, 2015

FA - Possible Financial Aid Action Warranted

I. Approval of Minutes of October 22, 2015

Discussion: None

Data sources consulted: Minutes

Action:

II. For Your Information

CCE/Avocational October 22 through November 13th, 2015

New Avocational and CCE Courses	Title	Clock Hours
BEO0401	Certified Financial Planner: Module 1 General Principles of Financial Planning	38
BEO0402	Certified Financial Planner: Module 2 Insurance Planning	38
BEO0403	Certified Financial Planner: Module 3 Investment Planning	38
BEO0404	Certified Financial Planner: Module 4 Income Tax Planning	38
BEO0405	Certified Financial Planner: Module 5 Retirement Planning	38
BEO0406	Certified Financial Planner: Module 6 Estate Planning	38
BEO0407	Certified Financial Planner: Module 7 Capstone	45
HEO0259	Overview of Infant Class	10
HRO0290	SHRM Certified Professional (CP)/Senior Certified Professional (SCP)	36
HRO0291	SHRM Essentials to Human Resource Management	15
MLO0190	Phlebotomy	40
TAO0654	Welding NCCER – Level Two Certification	227

VPAA Action

October Catalog Addendum Label Update – To aid with the transition for students seeking Fire Science training formerly offered through the Fire Office 1 CCC (6623) and Fire Apparatus Operator PSAV programs (CC Minutes 9/24/15), Dr. Pedersen approved the inclusion of the following statement to the Online Catalog Addendum label:

Fire Inspector 1 (6623)

ADDENDUM OCTOBER 30, 2015 (action based on curriculum minutes dated September 24, 2015)

THIS PROGRAM IS SUSPENDED AND NO LONGER ACCEPTING NEW STUDENTS. (PBSC continues to offers Fire Inspector courses for certification by the Florida Bureau of Fire Services. Contact Fire Program Director for further details.)

Fire Apparatus Operator (5615)

ADDENDUM OCTOBER 30, 2015 (action based on curriculum minutes dated September 24, 2015)

THIS PROGRAM IS SUSPENDED AND NO LONGER ACCEPTING NEW STUDENTS. (PBSC continues to offer Fire Apparatus Operator courses for certification by the Florida Bureau of Fire Services. Contact Fire Program Director for further details.)

Music/Health Education AA Course Action for 20162- Dr. Pedersen approved going forward with curriculum actions for MUN1440 R Percussion Ensemble (New course) and HSC2204 Community Health Education (Revision) for Spring Term enrollment as an exception to Curriculum Committee policy.

Minutes Correction

1/29/15 IV. F. 3- EGS 2122 Geometric Dimensioning and Tolerancing is listed as needing medical Accident and standard liability insurance but this lecture course does not need either.

10/22/15 IV. C. Sonography-Two Sonography courses containing new course corequisites needed to be added to the action approved for this agenda and the effective date of two changes needed to be revised:

<u>New Courses</u>	Effective August 2016
SON1004L Sonographic Hospital Procedures (2 credits, 32 lab/32 clinical contact hours, prereq-Admission to Sonography program, coreq-SON1100L with a grade of C, AW grading system, program limit 6312/2313, Medical Accident/Standard Liability Insurance)	Effective May 2017 January 2017
	2

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SON1171 Vascular Sonography 1 (3 credits, 48 lecture hours, AW grading system, prereqs-SON1112, SON1618 with a grade of C, coreqs-SON1122, SON1814L with a grade of C, program limit 6312/2313)	3
Effective August 2017	
SON1175 Vascular Sonography 2 (3 credits, 48 lecture hours, AW grading system, prereq SON1171 with a grade of C, coreqs SON1001, SON18924L with a grade of C, program code limit 6312/2313)	3
Effective August 2017	
<u>Revised Course</u>	
SON1001 Practical Sonography 2 (Description change, coreq changed from SON1824L to SON1824L and SON1175 with a grade of C or higher, program code limit 6312, 2313, update course learning outcomes)	3
Effective January 2017	
SON1122 Sonographic OB/GYN 1 (Change coreqs from SON1170 with a grade of C to SON1171, SON1814L with a grade of C)	3
SON1814L Clinical Education 2 (Change coreqs from SON1122, SON1170 with a grade of C or higher to SON1122, SON1171, with a grade of C or higher)	3
Last Term Offered May 2016 August 2016	
<u>Deleted Courses</u>	
SON1170 Sonography of Circulatory System (Replaced by SON1171)	3

10/22/15 IV. C. Sonography- SON 1001 should be listed as Practical Aspects of Sonography 2 rather than Practical Sonography 2 as listed in the minutes. No change in title was intended.

Housekeeping

Program Learning Outcome Form Update-The Program Learning Outcome (PLO) form included in the program addition and revision curriculum packets has been updated effective immediately. This form now includes measures and achievement targets as outlined in PBSC Academic Management Manual-Section L.

III. Old Business

Discussion: NA

Data sources consulted: Curriculum Support Documents

Action:

IV. New Business

Credits/Clock Hours

A. Bachelor Programs

Bachelor of Applied Science-Information Management

Revised Courses

Effective August 2016

CNT4406	Network Security and Cryptography (Change prereq from None to ISM4320 with a grade of C or higher)	3
CNT4408	Information Systems Security (Change prereq from None to CNT2402 with a grade of C or higher)	3
COP3530	Programing Languages and Concepts (Change prereq from None to COP1000 with a grade of C or higher)	3
COP4834	Web Scripting (Change prereq from None to COP1000 with a grade of C or higher)	3
CTS4425	ASP.NET Web Application Development (Change prereq from None to COP1000 with a grade of C or higher)	3
ISM3113	Systems Analysis & Design (Change prereq from None to GEB3213 with a grade of C or higher)	3
ISM3314	Project Management (Change prereq from None to GEB3213 with a grade of C or higher)	3
ISM4117	Data Mining & Data Warehousing (Change prereq from None to ISM3212 with a grade of C or higher)	3
ISM4210	Database Administration & Architecture (Change prereq from None to ISM3212 with a grade of C or higher)	3
ISM4220	Business Data Communications Telecommunications Network (Change prereq from None to CNT2000 with a grade of C or higher)	3

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ISM4213	Advanced Database Management (Change prereq from None to ISM3212 with a grade of C or higher)	3
ISM4312	Project and Change Management (Change prereq from None to ISM3314 with a grade of C or higher)	3
ISM4313	Managing IT Integration (Change prereq from None to ISM3314 with a grade of C or higher)	3
ISM4320	Applications in Information Security (Change prereq from None to CNT2402 with a grade of C or higher)	3
ISM4323	Security Management (Change prereq from None to CNT2402, ISM4220 with a grade of C or higher)	3
ISM4324	Computer Forensics (Change prereq from None to ISM4320 with a grade of C or higher)	3
ISM4332	IT Project Schedule & Cost Control (Change prereq from None to ISM3314 with a grade of C or Higher)	3
MAN4520	Quality Management Control (Change prereq from None to ISM3314 with a grade of C or higher)	3
MAN4574	Acquisitions Management (Change prereq from None to ISM3314 with a grade of C or higher)	3
MAN4584	Project Risk Management (Change prereq from None to ISM3314 with a grade of C or higher)	3

Justification: The faculty cluster is adding prerequisite course requirements for these bachelor courses to improve success rates.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

B. AA Courses

1. Health Education

<u>Revised Course</u>	Effective January 2016	
HSC2204 Community Health Education (Update Course Learning Outcomes)		3

Justification: The Health Cluster updated the course learning outcome to bring the course in sequence with two General Education Health courses HSC1100 and HSC2100 and increase enrollment.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

2. Music

<u>New Course</u>	Effective January 2016	
MUN1440 R Percussion Ensemble (1 credit, 2 lab contact hours, AW grading scale, may be repeated nine (9) times, no prerequisite courses-entrance by audition, \$300 budget impact for purchase of Music for the ensemble (covered by Music Department budget for ensembles.)		1

Justification: Percussion Ensemble has not been offered for a number of years (unlike other small ensembles) because there are rarely have enough percussion students all at the same time. However, the PBSC percussion program has grown, and this fall (2015) the larger group of percussion students have expressed an interest in renewing this ensemble. Small ensemble experience provides music students with additional skills beyond what they learn in a large ensemble experience.

Discussion:

Data sources consulted: Curriculum Support Documents

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Action:

C. Business and Office Management

Accounting Technology AS

Revised Program

Effective August 2016

Current Accounting Technology AS (2050)			Proposed Accounting Technology AS (2050)		
General Education		Credits: 18	General Education		Credits: 15
ENC1101	College Composition 1	3	ENC1101	College Composition 1	3
HSC2100	Health Concepts and Strategies	3		Any course from Mathematics - Area III	3
	Any course from Mathematics - Area III	3	SPC1017	Fundamentals of Speech Communication	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	Required Courses		Credits: 43
Required Courses		Credits: 43	APA1111	Bookkeeping	3
APA1111	Bookkeeping	3	ACG2022	Financial Accounting	4
ACG2022	Financial Accounting	4	ACG2071	Managerial Accounting	3
ACG2071	Managerial Accounting	3	ACG2100	Intermediate Accounting	3
ACG2100	Intermediate Accounting	3	ACG2360	Cost Accounting	3
ACG2360	Cost Accounting	3	ACG2450	Microcomputer Operations Accounting	3
ACG2450	Microcomputer Operations Accounting	3	CGS1513	Electronic Spreadsheets	3
CGS1513	Electronic Spreadsheets	3	APA2172	Computerized Bookkeeping	3
APA2172	Computerized Bookkeeping	3	BUL2241	Business Law 1	
BUL2241	Business Law 1			-or-	
	-or-		GEB1011	Introduction to Business	
GEB1011	Introduction to Business			-or-	
	-or-		MAN2021	Principles of Management	3
MAN2021	Principles of Management	3	CGS1100	Microcomputer Applications	3
CGS1100	Microcomputer Applications	3	MNA2100	Human Relations in Business	3
MNA2100	Human Relations in Business	3	GEB2214	Business Communications	3
GEB2214	Business Communications	3	TAX2000	Federal Income Tax 1	3
TAX2000	Federal Income Tax 1	3	TAX2010	Federal Income Tax 2	3
TAX2010	Federal Income Tax 2	3	SLS1301	Career Self-Assessment	1
Electives – Choose 3 credits		Credits: 3	SLS1302	Career Information and Decision Making	1
	Select any course with the prefix BUL, CGS, ECO, ENT, GEB, MAN, MAR, MKA, MNA, PLA, or TAX	3	Total Program Credits: 60		
Total Program Credits: 64					

Justification: The State of Florida is requiring that AS degree programs be modified and limited to exactly 60 credit hours. Currently, the AS Accounting Technology degree includes 64 credit hours. To reduce the number of credits to 60,

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the cluster has made the following changes: 1) Eliminated HSC2100, 2) Added 2 one credit SLS classes which focus on career assessment and information. The Cluster believes that the addition of the SLS classes will help students assess their career options in the numerous areas of Accounting. In addition, the Cluster believes that these courses will help students choose not only between the focal points in accounting, but choose between employment at large, medium, or small companies. Therefore, the curriculum in these courses can help to identify advantages and disadvantages which help each student choose an environment which fosters their own individual success. Also, the cluster believes that this will help with retention and completion as the students will gain a clearer picture of accounting as a career.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

D. Child Care, Human Services and Teacher Education

Institution of Teacher Education

New Course

Effective August 2016

EPI0950 Teaching Methods Practicum (2 credits, 30 clinical hours, AW grading system, Prerequisite-Bachelor's degree and 3.5 GPA, Corequisite EPI0020 or EPI0030 with a grade of C or higher, Program Code Limit F225, no Medical Accident/Standard Liability or Special fee) 2

Revised Courses

Effective August 2016

EPI0001 Classroom Management (Course learning outcomes updated) 3
 EPI0002 Instructional Strategies (Course learning outcomes updated) 3
 EPI0010 Foundations of Research-Based Practices in Reading (Course learning outcomes updated) 3
 EPI0020 Professional Foundations (Remove EPI0940 as corequisite) 2
 EPI0030 Diversity in the Classroom (Remove EPI0945 as corequisite) 2

Deleted Courses

Last Term Offered May 2017 (20173)

EPI0940 Field Experience 1 (replaced with EPI0950 Teaching Methods Practicum) 1
 EPI0945 Field Experience 1 (replaced with EPI0950 Teaching Methods Practicum) 1

Revised Program

Effective August 2016

Proposed Institute of Teacher Education (F225)			Proposed Institute of Teacher Education (F225)		
Required Courses		Credits: 21	Required Courses		Credits: 21
EPI0001	Classroom Management	3	EPI0001	Classroom Management	3
EPI0002	Instructional Strategies	3	EPI0002	Instructional Strategies	3
EPI0003	Educational Technology	3	EPI0003	Educational Technology	3
EPI0004	The Teaching and Learning Process	3	EPI0004	The Teaching and Learning Process	3
EPI0010	Foundations of Research-Based Practices in Reading	3	EPI0010	Foundations of Research-Based Practices in Reading	3
EPI0020	Professional Foundations	2	EPI0020	Professional Foundations	2
EPI0940	Field Experience 1	1	EPI0030	Diversity in the Classroom	2
EPI0030	Diversity in the Classroom	2	EPI0950	Education Teaching Practicum	2
EPI0945	Field Experience 2	1	Total Program Credits: 21		
Total Program Credits: 21					

Justification: Institute of Teacher Education (Program for Certification) The Teacher Certification Program is undergoing certain program revisions to meet changes to state rule 6A-5.066. **EPI0950** Teaching Methods Practicum is a new course designed to meet the required changes for students completing their Practicum Experience for EPI programs in the state of Florida. This course will replace EPI0940 and EPI0945. Changes to state rule 6A-5.066 section (2)(d) & (5)(c) require students to demonstrate their ability to positively impact student learning growth in the areas of the student's concentration. This course will allow ample time for teacher candidates to practice and demonstrate the

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Uniform Core Curricula (UCC) in the K-12 classroom setting. **EPI0001, EPI0002, EPI0010** course outcomes need to be revised to update the language as well as meet new UCC standards.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

E. Health Science

Health Information Programs

New Course **Effective August 2016**
 HIM1615C Office Applications for Health Professions (3 credits, 2 lecture, 2 lab contact hours, No Medical Acc/Standard Liability Insurance, \$15 Special fee) 3

Revised Courses **Effective August 2016**
 HIM1210C Health Information Systems (Change prereq from CGS1100 to HIM1000C, CGS1100 or HIM1615C with a grade of C) 3
 HIM2510C Health Data Analysis (Change Prereq from CGS1100, STA2023 to HIM1210C, STA2023 with a grade of C or higher) 3

Revised Programs **Effective August 2016**

Current Health Information Technology AS			Proposed Health Information Technology AS		
General Education		Credits: 23	General Education		Credits: 23
BSC2086	Anatomy and Physiology 2	3	BSC2086	Anatomy and Physiology 2	3
BSC2086L	Anatomy and Physiology 2 Lab	1	BSC2086L	Anatomy and Physiology 2 Lab	1
PSY2012	General Psychology	3	PSY2012	General Psychology	3
SPC1017	Fundamentals of Speech Communication	3	SPC1017	Fundamentals of Speech Communication	3
	Any course from Humanities - Area II	3		Any course from Humanities - Area II	3
ENC1101	College Composition 1	3	ENC1101	College Composition 1	3
STA2023	Statistics	3	STA2023	Statistics	3
BSC2085	Anatomy and Physiology 1	3	BSC2085	Anatomy and Physiology 1	3
BSC2085L	Anatomy and Physiology 1 Lab	1	BSC2085L	Anatomy and Physiology 1 Lab	1
Required Courses		Credits: 47	Required Courses		Credits: 47
CGS1100	Microcomputer Applications	3	CGS1100	Microcomputer Applications	3
MAN2021	Principles of Management	3	OR		
HSC2531	Medical Terminology	3	HIM1615C	Office Applications for Health Professional	3
HIM1000C	Introduction to Health Information Management	3	MAN2021	Principles of Management	3
HIM1433C	Pathophysiology for Health Information Management	2	HSC2531	Medical Terminology	3
HIM1442C	Pharmacology for Health Information Management	2	HIM1000C	Introduction to Health Information Management	3
HIM1282C	Fundamentals of Medical Coding	3	HIM1433C	Pathophysiology for Health Information Management	2
HIM1210C	Health Information System	3	HIM1442C	Pharmacology for Health Information Management	2
HIM2222C	Applied Inpatient Coding	3	HIM1282C	Fundamentals of Medical Coding	3
HIM2272C	Medical Reimbursement and Revenue	3	HIM1210C	Health Information System	3
HIM2510C	Healthcare Data Analysis	3	HIM2222C	Applied Inpatient Coding	3
HIM1012C	Health Information Law, Ethics, and Compliance	3	HIM2272C	Medical Reimbursement and Revenue	3
HIM2253C	Applied Outpatient Coding	3	HIM2510C	Healthcare Data Analysis	3

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HIM2651C	Applied Health Informatics	3	HIM1012C	Health Information Law, Ethics, and Compliance	3
HIM2304C	Health Information Department Management	3	HIM2253C	Applied Outpatient Coding	3
HIM1800C	Health Information Professional Practice	2	HIM2651C	Applied Health Informatics	3
HIM2810L	Advanced Coding Practicum	1	HIM2304C	Health Information Department Management	3
HIM2826L	Health Information Skills Lab	1	HIM1800C	Health Information Professional Practice	2
Total Program Credits: 70			HIM2810L	Advanced Coding Practicum	1
			HIM2826L	Health Information Skills Lab	1
			Total Program Credits: 70		

Current Health Informatics Specialist CCC (6531)			Proposed Health Informatics Specialist CCC (6531) (CIP#0351070712)		
Required Courses		Credits: 18	Required Courses		Credits: 24
CGS1100	Microcomputer Applications	3	STA2023	Statistics	3
HSC2531	Medical Terminology	3	CGS1100	Microcomputer Applications	
HIM1000C	Introduction to Health Information Management	3		OR	
HIM1210C	Health Information System	3	HIM1615C	Office Applications for Health Professionals	3
HIM2510C	Healthcare Data Analysis	3	HSC2531	Medical Terminology	3
HIM2651C	Applied Health Informatics	3	HIM1000C	Introduction to Health Information Management	3
Total Program Credits: 18			HIM1012C	Health Information Law, Ethics, and Compliance	3
<i>Students will be required to enroll in and pass the following prerequisite courses to complete this certificate: HIM2652C or CGS1100 for HIM1000C, and STA2023 for HIM2510C.</i>			HIM1210C	Health Information System	3
			HIM2510C	Healthcare Data Analysis	3
			HIM2651C	Applied Health Informatics	3
			Total Program Credits: 24		

Current Medical Information Coder/Biller CCC			Proposed Medical Information Coder/Biller CCC (CIP# 0351070714)		
Required Courses		Credits: 34	Required Courses		Credits: 37
BSC2085	Anatomy and Physiology 1	3	BSC2085	Anatomy and Physiology 1	3
BSC2085L	Anatomy and Physiology 1 Lab	1	BSC2085L	Anatomy and Physiology 1 Lab	1
BSC2086	Anatomy and Physiology 2	3	BSC2086	Anatomy and Physiology 2	3
BSC2086L	Anatomy and Physiology 2 Lab	1	BSC2086L	Anatomy and Physiology 2 Lab	1
HSC2531	Medical Terminology	3	CGS1100	Microcomputer Applications	
HIM1000C	Introduction to Health Information Management	3		OR	
HIM1433C	Pathophysiology for Health Information	2	HIM1615C	Office Applications for Health Professionals	3
HIM1442C	Pharmacology for Health Information	2	HSC2531	Medical Terminology	3
HIM1282C	Fundamentals of Medical Coding	3	HIM1000C	Introduction to Health Information Management	3
HIM2222C	Applied Inpatient Coding	3	HIM1433C	Pathophysiology for Health Information	2
HIM2272C	Medical Reimbursement and Revenue	3	HIM1442C	Pharmacology for Health Information	2
HIM2253C	Applied Outpatient Coding	3	HIM1282C	Fundamentals of Medical Coding	3
HIM2810L	Advanced Coding Practicum	1	HIM2222C	Applied Inpatient Coding	3
HIM1012C	Health Information Law, Ethics, and Compliance	3	HIM2272C	Medical Reimbursement and Revenue	3
Total Program Credits: 34			HIM2253C	Applied Outpatient Coding	3
			HIM2810L	Advanced Coding Practicum	1
			HIM1012C	Health Information Law, Ethics, and Compliance	3
			Total Program Credits: 37		

Justification: **HIM1615C**- This course will provide microcomputer application instruction in Word processing, spreadsheets (including the use of Pivot tables), and database creation to facilitate a foundation for health data analytics. **HIM1210C**- Changes includes the HIM1615C course as an option for meeting the prerequisite course requirement and

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provide HIM1000C as a prerequisite for a better foundation for student success. **HIM2510C**- Correcting an error from previous curriculum submission. HIM1210C is the more appropriate prerequisite for the course. **HIT AS**- State of Florida Department of Education has approved an increase in credits for the CCC programs in this AS degree. College policy requires all course additions to CCCs be included in the AS degree as well. **HIS CCC**- HIS CCC State of Florida Department of Education has approved this CCC program for an additional 6 credits, moving the amount from 18 credits to 24 credits. This will support better learning outcomes and allow us to include the STA2023 Statistics prerequisite in the program courses and allow removal of program note. **MIC/B CCC**- State of Florida Department of Education has approved this CCC program for an additional 3 credits, moving the amount from 34 credits to 37 credits. This was required to align the HIT AS state of Florida DOE framework with the MICB framework.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

F. Trade and Industry

Engineering Technology AS-CCC

New Courses

Effective August 2016

ETD2371C	Introduction to 3D Printing (3 credits, 2 lecture, 2 lab contact hours, AW grading system, Prereq- ETD2364C SolidWorks Fundamentals with a grade of C, Special Fee \$83)	3
ETD2372C	Advanced Rapid Prototyping (3 credits, 2 lecture, 2 lab contact hours, AW grading system, Prereq- ETD2371C Introduction to 3D Printing with a grade of C, Special Fee \$83)	3

Revised Courses

Effective August 2016

ETM1010C	Mechanical Measurements and Instruments (Change credits from 2 to 3, 2 lecture, 2 lab contact hours, change prereq from ETI1701, MAC1105 with grade of C to ETI1701 only.)	2
ETP1400C	Distributed Electric Power Generation and Storage (Adjustments to CLOs to better reflect industry needs.)	2
ETP1540	Introduction to Hydro Power (Adjustments to CLOs to better reflect industry needs.)	3
ETP2137C	Electrical Distribution Substations (Adjustments to CLOs to better reflect industry needs.)	3

New Program

Effective August 2016

Engineering Technology Support Specialist CCC		
Required Courses		Credits: 18
ETM1010C	Mechanical Measurements and Instruments	3
ETI1701	Environmental Health and Safety	3
ETI2110	Introduction to Quality Assurance	3
EET1084C	Electrical Circuits and Electronics	3
OR		
EET1015C	DC Circuits	
ETD2320C	Introduction to AutoCAD	3
ETI1830	Materials and Processes 1	3
Total Program Credits: 18		
<i>A number of program courses have specific pre-requisite and co-requisite requirements that must be followed. Non-exempt students will have to meet College placement testing guidelines to complete these courses.</i>		

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Rapid Prototyping Specialist CCC		
Required Courses		Credits: 12
ETD2320C	Introduction to AutoCAD	3
ETD2364C	SolidWorks Fundamentals	3
ETD2371C	Introduction to 3D Printing	3
ETD2372C	Advance Rapid Prototyping	3
Total Program Credits: 12		

Revised Program

Effective August 2016

Current Engineering Technology-Advanced Technology AS			Proposed Engineering Technology-Advanced Technology AS		
General Education		Credits: 18	General Education		Credits: 18
ENC1101	College Composition 1	3	ENC1101	College Composition 1	3
MAC1105	College Algebra	3	MAC1105	College Algebra	3
SPC1017	Fundamentals of Speech Communication	3	SPC1017	Fundamentals of Speech Communication	3
PSY2012	General Psychology	3	PSY2012	General Psychology	3
PHY1001	Applied Physics	3	PHY1001	Applied Physics	3
	Any course from Humanities - Area II	3		Any course from Humanities - Area II	3
Core Courses		Credits: 17	Core Courses		Credits: 18
ETM1010C	Mechanical Measurements and Instruments	2	ETM1010C	Mechanical Measurements and Instruments	3
ETI1701	Environmental Health and Safety	3	ETI1701	Environmental Health and Safety	3
ETI2110	Introduction to Quality Assurance	3	ETI2110	Introduction to Quality Assurance	3
ETI1830	Materials and Processes 1	3	ETI1830	Materials and Processes 1	3
ETD2320C	Introduction to AutoCAD	3	ETD2320C	Introduction to AutoCAD	3
EET1084C	Electrical Circuits and Electronics	3	EET1084C	Electrical Circuits and Electronics	3
Required Concentration Courses		Credits: 14	Required Concentration Courses		Credits: 14
EET2325C	Electronic Communication Systems	3	EET2325C	Electronic Communication Systems	3
ETD2364C	SolidWorks Fundamentals	3	ETD2364C	SolidWorks Fundamentals	3
ETI2851C	Applied Mechanics	3	ETI2851C	Applied Mechanics	3
ETS2520C	Process Measurement Fundamentals	2	ETS2520C	Process Measurement Fundamentals	2
ETI2121C	Non-Destructive and Destructive Testing	3	ETI2121C	Non-Destructive and Destructive Testing	3
Technical Electives - Choose 10 credits		Credits: 10	Technical Electives - Choose 10 credits		Credits: 10
EET1611	Standard Testing and Certification	2	EET1611	Standard Testing and Certification	2
ETI1411	Manufacturing Process	2	ETI1411	Manufacturing Process	2
ETI1622	Concepts of Lean Manufacturing and Six Sigma	2	ETI1622	Concepts of Lean Manufacturing and Six Sigma	2
ETD2340C	AutoCAD 2	3	ETD2340C	AutoCAD 2	3
ETD2355C	AutoCAD 3D Modeling	3	ETD2355C	AutoCAD 3D Modeling	3
EET1611	Standard Testing and Certification	2	ETD2371C	Introduction to 3D Printing	3
ETD2950C	Special Topics in Engineering Technology	3	ETD2372C	Advanced Rapid Prototyping	3

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ETD2941	Engineering Technology Internship	3	ETD2950C	Special Topics in Engineering Technology	3
Total Program Credits: 60			ETD2941	Engineering Technology Internship	3
			Total Program Credits: 60		

Current Engineering Technology-Alternative Energy Systems AS			Proposed Engineering Technology-Alternative Energy Systems AS		
General Education		Credits: 18	General Education		Credits: 18
ENC1101	College Composition 1	3	ENC1101	College Composition 1	3
MAC1105	College Algebra	3	MAC1105	College Algebra	3
SPC1017	Fundamentals of Speech Communication	3	SPC1017	Fundamentals of Speech Communication	3
PSY2012	General Psychology	3	PSY2012	General Psychology	3
PHY1001	Applied Physics	3	PHY1001	Applied Physics	3
	Any course from Humanities - Area II	3		Any course from Humanities - Area II	3
Core Courses		Credits: 17	Core Courses		Credits: 18
ETM1010C	Mechanical Measurements and Instruments	2	ETM1010C	Mechanical Measurements and Instruments	3
ETI1701	Environmental Health and Safety	3	ETI1701	Environmental Health and Safety	3
ETI2110	Introduction to Quality Assurance	3	ETI2110	Introduction to Quality Assurance	3
ETI1830	Materials and Processes 1	3	ETI1830	Materials and Processes 1	3
ETD2320C	Introduction to AutoCAD	3	ETD2320C	Introduction to AutoCAD	3
EET1084C	Electrical Circuits and Electronics	3	EET1084C	Electrical Circuits and Electronics	3
Required Concentration Courses		Credits: 14	Required Concentration Courses		Credits: 14
ETP1400C	Distributed Electric Power Generation and Storage	2	ETP1400C	Distributed Electric Power Generation and Storage	2
ETP1402	Introduction to Solar Energy	3	ETP1402	Introduction to Solar Energy	3
ETP1511C	Introduction to Bio Fuels	3	ETP1511C	Introduction to Bio Fuels	3
ETP1530C	Introduction to Wind Energy	3	ETP1530C	Introduction to Wind Energy	3
ETP1550	Alternative Fuels and Electric Vehicle Technologies	3	ETP1550	Alternative Fuels and Electric Vehicle Technologies	3
Technical Electives - Choose 11 credits		Credits: 11	Technical Electives - Choose 10 credits		Credits: 10
ETP2410C	Photovoltaic Technology	2	ETP2410C	Photovoltaic Technology	2
ETS1810C	Energy Efficient Buildings	3	ETS1810C	Energy Efficient Buildings	3
ETP1510C	Biofuels and Biomass	3	ETP1510C	Biofuels and Biomass	3
ETP1540	Introduction to Hydro Power	3	ETP1540	Introduction to Hydro Power	3
ETD2950C	Special Topics in Engineering Technology	3	ETD2950C	Special Topics in Engineering Technology	3
ETD2941	Engineering Technology Internship	3	ETD2941	Engineering Technology Internship	3
Total Program Credits: 60			EVR2266	Environmental Mapping/GIS/Remote Sensing	3

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				Total Program Credits: 60	
Current Engineering Technology-Electronics AS			Proposed Engineering Technology-Electronics AS		
General Education		Credits: 18	General Education		Credits: 18
ENC1101	College Composition I	3	ENC1101	College Composition I	3
MAC1105	College Algebra	3	MAC1105	College Algebra	3
SPC1017	Fundamentals of Speech Communication	3	SPC1017	Fundamentals of Speech Communication	3
PSY2012	General Psychology	3	PSY2012	General Psychology	3
PHY1001	Applied Physics	3	PHY1001	Applied Physics	3
	Any course from Humanities - Area II	3		Any course from Humanities - Area II	3
Core Courses		Credits: 17	Core Courses		Credits: 18
ETM1010C	Mechanical Measurements and Instruments	2	ETM1010C	Mechanical Measurements and Instruments	3
ETI1701	Environmental Health and Safety	3	ETI1701	Environmental Health and Safety	3
ETI2110	Introduction to Quality Assurance	3	ETI2110	Introduction to Quality Assurance	3
ETI1830	Materials and Processes 1	3	ETI1830	Materials and Processes 1	3
ETD2320C	Introduction to AutoCAD	3	ETD2320C	Introduction to AutoCAD	3
EET2325C	Electronic Communications Systems	3	EET2325C	Electronic Communications Systems	3
Required Concentration Courses		Credits: 14	Required Concentration Courses		Credits: 15
EET1015C	DC Circuit Analysis	3	EET1015C	DC Circuit Analysis	3
EET1025C	AC Circuit Analysis	3	EET1025C	AC Circuit Analysis	3
EET1215C	Introduction to Electronics	3	EET1215C	Introduction to Electronics	3
CET2123C	Microprocessors 1	3	CET2123C	Microprocessors 1	3
CET2127C	Microprocessors 2	3	CET2127C	Microprocessors 2	3
Technical Electives - Choose 10 credits		Credits: 10	Technical Electives - Choose 10 credits		Credits: 9
EET2724C	Schematic Capture and Modeling	3	EET2724C	Schematic Capture and Modeling	3
EET1610C	Through-Hole Surface Mount Soldering	2	EET1610C	Through-Hole Surface Mount Soldering	2
EET2620C	Advanced Surface Mount Soldering Technology	2	EET2620C	Advanced Surface Mount Soldering Technology	2
EET1141C	Analog Devices	3	EET1141C	Analog Devices	3
EET1142C	Analog Circuits	3	EET1142C	Analog Circuits	3
EET2609C	Electronic Fabrication and Fiber Optics	3	EET2609C	Electronic Fabrication and Fiber Optics	3
ETD2950C	Special Topics in Engineering Technology	3	ETD2950C	Special Topics in Engineering Technology	3
ETD2941	Engineering Technology Internship	3	ETD2941	Engineering Technology Internship	3
Total Program Credits: 60			Total Program Credits: 60		

Justification: ETD2371C, ETD2372C- These courses are a part of new Rapid Prototyping Specialist CCC and Engineering Technology - Advanced Technology track AS programs. Developments of new technologies in 3D printing

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and 3D scanning are revolutionizing manufacturing and prototyping, and thus require specialized training in this area. These new courses will offer students in ET AS program this specialized training. **ETM1010C**- Required change to make the core of ET AS program 18 credit hours to align with other programs in the State. **ETP1400C, ETP1540, ETP2137C**-CLOs revised to meet industry standards, **ETSS CCC**- New Engineering Technology Support Specialist CCC is part of Engineering Technology AS program (all tracks). Developments of new technologies and their application in everyday workplace are revolutionizing engineering and manufacturing, and thus require specialized training in this area. **RPS CCC**- New Rapid Prototyping Specialist CCC is part of Engineering Technology - Advanced Technology track AS program. Developments of new technologies in 3D printing and 3D scanning are revolutionizing manufacturing and prototyping, and thus require specialized training in this area. Both new CCCs will offer students in ET AS program specialized training.

Discussion:

Data sources consulted: Curriculum Support Documents

Action:

G. Motion to Dismiss

Discussion: NA

Action:

The Curriculum agendas and documentation are at <http://intranet.pbcc.edu/AcadServ/CurriculumMaterials.asp> and Curriculum Minutes <http://www.palmbeachstate.edu/curriculum-development/minutes.aspx> are posted online.

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 CRA 105.3, Boca Raton AD 406, Lake Worth ETA 101, and Palm Beach Gardens AD 207)

Location Attendance

Location	Committee	Presenters	Faculty	Staff	Administrators
BG					
BR					
LW					
PBG					

Attendance	Faculty and Instructors
	Victor Aikhionbare, Political Science -1 st Year LW
	Lauren Chambers, English/Lit-1st Year PBG
	Cheryl Christensen, Natural Science-1st Year BR
	Zenaida Espinosa, Interior Design-1st Year LW
	Tod Fairbanks, Microbiology-1st Year PBG
	Elizabeth Horvath, Computer Science 1st Year LW
	Lilian Jordan, Physics-1st Year PBG
	Cynthia Judd, Chemistry-1st Year PBG
	Richard Shreve, Chemistry-1st Year BR
	Doreen Singer, Surgical Technology PSAV-3rd Year LW CHAIR
	Michele Tiggler, BAS Health Adm-1st Year District
	Debra Trigoboff, Education-1st Year BR
	Administrative Members
	Irving Berkowitz, Academic Dean, 2nd Year, LW
	Robert Gingras, Academic Assoc Dean-1st Year PBG
	Henry Ponciano, Student Serv. Asst. Dean-2nd Year PBG
	Teresa Armas, Financial Aid Specialist

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	Amy McDonald, District Registrar
	Kathleen Karran-McCoy, Student Services Asst. Dean, (Non-voting)
	Kathy Gamble, Academic Services (Non-voting)
	Susan Bierster, Acting Dean- 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						