FA - Possible Financial Aid Action Warranted

Vice Chair, Michele Tiggle ran the meeting for Chair Doreen Singer.

I. **Approval of Minutes of October 22, 2015**

   Discussion: None

   Data sources consulted: Minutes

   Action: Motion to Approve-C. Christensen; 2nd-Z. Espinoza   **APPROVED**

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.

   DBOT Action
   *The November 9, 2015 District Board of Trustees voted to inactivate the Aeronautical Science AS degree and related CCCs and implement a two year teach out period. To that end, the statement "**NOTE: THIS PROGRAM IS SUSPENDED AND NO LONGER ACCEPTING NEW STUDENTS."** will be added to the online catalog for Aeronautical Science-Operations Concentration AS (2172), Aeronautical Science-Professional Pilot Concentration AS (2197A) and Commercial Pilot Airplane Concentration CCC (6164A) and a teach-out plan will be submitted for processing.*

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. B. Computer Science- CNT2700 TCP/IP and Network Administration –the pre/coreq change should be listed as a prereq change only (from CTS 2320 or CTS 2334 to CTS 2320 or CTS 2334 or CTS 1110 (D)

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)	2
Effective ~~May 2017~~ January 2017	
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
<u>Revised Course</u> **Effective August 2017**	
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
SON1814LClincial 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
<u>Deleted Courses</u> **Last Term Offered ~~May 2016~~ August 2016**	
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

<u>Revised Courses</u> **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
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: Associate Dean Gladney reiterated that the course revisions presented were recommended to improve student success in the Bachelor program and to rectify the fact that most of the bachelor courses had no prereqs attached to them. Clarification was provided in that the prereqs are either existing Bachelor program courses or lower level courses that would be part of the required 18 transferable credits AA or AS students must complete to enter the bachelor's program. So in both cases, these changes will not make the bachelor program total go over 120 credits.

Data sources consulted: Curriculum Support Documents

Action: Motion to Approve-C. Christensen; 2nd-Z. Espinoza   **APPROVED**

B.   AA Courses

1. Health Education

Revised Course   **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: Dr. Rajcoomar shared that the cluster voted to revise this course's learning outcomes to be in line with the other Health course offerings at the College.

Data sources consulted: Curriculum Support Documents

Action: Motion to Approve-C. Christensen; 2nd-E. Horvath   **APPROVED**

2. Music

New Course   **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: Michael MacMullen gave an overview of what ensemble classes are (small performance groups of students of dedicated instruments used to practice performance scenarios) and the need to reintroduce the percussion ensemble at Palm Beach State due to an influx of percussion students this academic year.

Data sources consulted: Curriculum Support Documents

Action: Motion to Approve-L. Jordan; 2nd-H. Ponciano   **APPROVED**

C.   Business and Office Management

   Accounting Technology AS

   ==(11/16/15-The Accounting Cluster asked that this action be pulled from the November 19, 2015 agenda for further development.)==

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 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: Jennifer Johnson reviewed the justifications for the actions taken on the Teacher Certification program to meet the revised state standards of education now in place.

Data sources consulted: Curriculum Support Documents

Action: Motion to Approve-L. Christensen; 2nd-Z. Espinoza   **APPROVED**

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
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 Professions.	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
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.			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: **HIM1615**C- 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 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: Julia Steff gave an overview of the changes to the Health Information Technology programs related to revisions in the credit certificates passed on by the state. This included added an HIM computer course that would infuse health informatics computer competencies and data analysis into the program which is now necessary across the discipline.

Data sources consulted: Curriculum Support Documents

Action: Motion to Approve-C. Christensen; 2nd-A. MacDonald   **APPROVED**

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		

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.

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
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	*Survey of* Environmental Mapping/GIS/Remote Sensing	3
			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**

	Schematic Capture and Modeling	3		Schematic Capture and Modeling	3
EET2724C			EET2724C		
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 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: Oleg Andric explained that the two new courses additions to the program were part of the original program Proposal earlier in 2015 but were not developed at the time because of lack of funding for the equipment. Since that time the program has been awarded grant funding which will cover this equipment. This course development allows for the expansion of our offerings to include a new CCC to include these new courses. A second CCC was also developed to allow students to earn an industry certification for MSSC Production Technician now covered by a statewide articulation agreement. An inquiry allowed clarification that the new courses would be electives of the AS degrees so the program concentrations would keep their existing program credit limits. These programs are all located at the Palm Beach Gardens Campus.

Data sources consulted: Curriculum Support Documents

Action: Motion to Approve-E. Horvath; 2nd-L.Jordan   **APPROVED**

G. **Motion to Dismiss**

   Discussion: NA

   Action: Motion to Approve-L, Jordan; 2nd-A. MacDonald   **APPROVED**

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	1				
LW	8	5		1	2
PBG	5	1			

Attendance	Faculty and Instructors
	Victor Aikhionbare, Political Science -1st Year LW
X	Lauren Chambers, English/Lit-1st Year PBG
X	Cheryl Christensen, Natural Science-1st Year BR
X	Zenaida Espinosa, Interior Design-1st Year LW
X	Tod Fairbanks, Microbiology-1st Year PBG
X	Elizabeth Horvath, Computer Science 1st Year LW
X	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
X	Michele Tiggle, BAS Health Adm-1st Year District
X	Debra Trigoboff, Education-1st Year BR
	Administrative Members
	Susan Bierster, Acting Dean, Curriculum & Educational Technology District
X	Robert Gingras, Academic Assoc Dean-1st Year PBG
X	Henry Ponciano, Student Serv. Asst. Dean-2nd Year PBG
X	Teresa Armas, Financial Aid Specialist
X	Amy McDonald, District Registrar
X	Kathleen Karran-Mccoy, Student Services Asst. Dean (Non-voting)
X	Kathy Gamble, Academic Services (Non-voting)

Presenters: D. Gladney, R. Rajcoomar, M. MacMullen, J. Johnson, J. Steff, O. Andric
Guests: M. McGann, K. Allen, N, Zinser

Degree Type	Program Action			Course Action		
	New	Rev	Delete	New	Rev	Delete
BAS/BS					20	
AA				1	1	
AS		4		4	11	1
ATC						
ATD		EPI				
CCC	2	2				
College Prep						
PSAV						
TOTAL	2	7		5	32	1