

COLLEGE ACADEMIC AND STUDENT SUPPORT COUNCIL
TUESDAY, JUNE 10, 2008
WOLFSON CAMPUS – ROOM 2106 – 1:30 P.M.

CHAIR: Emily Sendin

MEMBERS PRESENT:	Marcia Anglin	Walter Mackey
	Loretta Blanchette	Pamela Menke
	Helen Brown	Thomas Meyer
	Ana Maria Bradley-Hess	Lourdes Perez
	Martha Cavalaris	Madeline Pumariega
	Frank Elsea	Carol Petrozella
	Nelson de la Rosa	Emily Sendin
	Olubisi Faoye	Paul Tisevich
	Armando Ferrer	Jeffrey Thomas
	Malou Harrison	Carol Tulikangas
	Euphemia Jackson	Rebecca Sanchez
	A.J. Kreider	Lois Sargent
	Joselle Laguerre	Maria Valenzuela
		Maria Vargas-O'Neel

MEMBER ABSENT:	Jesus Alvarez	
	John Alvarez	Sent Notification
	Santiago Aranegui	Sent Notification
	Sheri Goldstein	Elizabeth Vizoso
	Harry Hoffman	Gloria León
	Ece Karayalcin	Sent Notification
	Chris Kinnaird	
	Irene Lipof	Sent Notification
	Oneyda Paneque	Sent Notification
	Alfredo Perez-Triff	
	Yuly Pomares	Sent Notification
	Jesus Reyes	
	Herbert Robinson	Gloria De Los Reyes
	Grace Telesco	Clyde Pfleegor

RESOURCE: Julian Chiu
Gina Victoria

PRESENTERS: Debbie Goodman
Michael Kean
Susan Neimand
Lessie Pryor
Sandra Schultz
Richard White

GUESTS: Mollie DeHart
Carol Miller

RECORDER: Henri Roberts

1. **Call to Order**

Emily Sendin called the meeting to order.

2. **Approval of the May 13, 2008 CASSC Minutes**

The minutes of the May 13, 2008 meeting were approved as submitted.

3. **Dr. Goonen's Updates**

President's Volunteer Service Awards

Over 100 students were recognized for their volunteer service. Two MDC students received the President's medal for completing 4000 hours of community service in a 12-month period. The ceremony took place at the North Campus on June 5, 2008.

Alamo Community College District

Faculty and administrators from the Alamo Community College District visited MDC on June 5 and 6. While on campus they visited the New World School of the Arts (NWSA) facilities and participated in an MDC Learning Outcomes presentation chaired by Dr. Goonen. The presentation included Dr. Pamela Menke, Sean Madison, Professors David Mcguirk and Sean Madison, and Georgette Perez.

Workforce

Several MDC members participated in the Mayor Alvarez's Economic Development State of the Workforce Roundtable held on May 8 sponsored by South Florida Workforce.

Student Services

Registration for the fall semester started on June 17 after the new tuition fees were approved by the Board of Trustees.

League of Innovation

MDC was awarded the Innovation of the Year for the Learning Outcomes Covenant Signing Ceremony.

4. **Natural Science**

Gloria León introduced Sandy Schultz who presented the changes to the HSC 2400 Basic Emergency Care.

HSC 2400 – Credit Type

From: Credit Type 02

To: Credit Type 01

Add: Emergency Care and Safety Institute Certification

Effective Term: 2008-1

**UNANIMOUS
APPROVAL
27 IN FAVOR
0 OPPOSED**

**5. School of CIS and Engineering Technologies
BAS in Electrical Engineering Technology**

Thomas Meyer introduced Richard White who presented the BAS major in Electronics Engineering Technology proposal to be effective in 2009-2.

**MIAMI DADE COLLEGE
PROPOSAL FOR
BACHELOR OF APPLIED SCIENCE in
ELECTRONICS ENGINEERING TECHNOLOGY
Submitted August 1, 2008**

Executive Summary

Miami Dade College (MDC) offers an Associate in Science (AS) degree in Electronics Engineering Technology (EET) and is proposing to offer a Bachelor of Applied Science degree in Electronics Engineering Technology (BAS EET) in accordance with Florida Statute Section 1007.33. The objective is to address the local workforce need for baccalaureate-level engineers and to provide a smooth articulation for MDC's AS graduates to attain a degree at a local institution that will support higher paying careers. On the statewide level, the Department of Labor occupation profile for Electronics Engineers in Florida projects annual growth to be 21% over the 10-year period 2004 to 2014*. The Florida Agency for Workforce Innovation, Labor Market Statistics Center projects the annual growth rate for all engineering occupations at 17.04% from 2007 – 2015.

Miami Dade College's Office of Institutional Research conducted surveys between June 2007 and September 2007 among employers, current students, and alumni to gauge the need for and level of interest in a baccalaureate degree in electronics engineering technology within Miami-Dade County. An initial student survey returned a statistical sampling of 153 respondents, comprised of both Associate in Science and Associate in Arts engineering majors. A second survey, conducted to identify the level of interest among Associate in Science engineering majors, yielded a sample of an additional 37 responses for a total survey sample of 190 subjects. The Employer survey was conducted among six companies who jointly employ over 12,000 in Region 23.

- ♦ In a sampling of current associate in science electronics engineering technology majors (AS EET), 87% (32) who responded said they intend pursue a baccalaureate degree after completing their associate's degree. Note: MDC enrolls an average of 300 AS EET majors per year.
- ♦ Over 78% (25) of the AS EET student sample said they would enroll at Miami Dade College if it offered a bachelor's degree.
- ♦ Employers who responded to the MDC Employer Survey projected as many as 200 incumbent workers would be interested in enrolling in a BAS EET if offered at Miami Dade College and local employers project a need to hire over 500 engineers with baccalaureate degrees over the next three – five years.

* Career Onestop. *Occupation Profile, Electronics Engineers except Computer, Florida*. sponsored by the US Department of Labor Retrieved January 11, 2008 from http://www.careerinfonet.org/occ_rep.asp?next=occ_rep&Level=optstatus1111111111&jobfam=17&id=1&nodeid=2&soccode=172072&stfips=12&x=52&y=10

- ◆ In responding to MDC's employer survey, Florida Power and Light indicated that potentially 200 employees would be interested in participating in a BAS EET program if offered at Miami Dade College, noting that it has not been successful in hiring local BS

Miami Dade College has a close partnership with FPL, having recently developed an AS degree in Electrical Power Technology pipeline partnership tailored specifically to FPL's needs and qualification exams. The proposed MDC BAS EET curriculum was developed with direct industry input from FPL and other local employers, and will provide students with the opportunity to acquire the skills and knowledge required by industry for entry-level electronics engineering positions.

- ◆ In a survey of combined Associate in Science and Associate in Arts engineering majors conducted in September 2007, 58.2% (92) of AA/AS engineering majors answered yes when asked if they would enroll in the BAS in Electronics Engineering Technology if offered at MDC.
- ◆ Cost and location were cited as the primary ways in which respondents perceive that MDC excels over other institutions offering similar degrees, with 87.3% (138) of respondents citing cost and 70.9% (112) citing location.

The proposed MDC BAS EET degree will be unique within Miami-Dade County. Only two upper division institutions in the state have programs that articulate to the Associate of Science in Electronics Engineering Technology: University of Central Florida and Florida A&M. Florida International University (FIU) and University of Miami (UM) do not offer a Bachelor of Applied Science in Electronics Engineering Technology. These institutions offer the Bachelor of Science in Electrical Engineering (BSEE). These degree programs have different C.I.P. codes -- BSEE is 14.1001; BAS EET is (CIP 15.0303) -- and different prerequisites. The Associate in Science in Electronics Engineering Technology does not directly articulate to the Bachelor of Science in Electrical Engineering. Tuition differentials also make the BSEE programs less accessible to the MDC student population. As noted in Table 6, the cost for the proposed BAS EET program at MDC will be approximately \$10,966.56[†], compared to the BSEE at FIU at a cost of \$14,112[‡] and UM at a cost of \$122,928.00[§] for Electrical Engineering degrees.

Planning Process

Planning meetings were conducted in May 2007 to discuss the feasibility of offering a BAS EET at Miami Dade College. The steering committee was comprised of the MDC Campus President (Wolfson Campus), Dean of Academic Affairs (Wolfson Campus), Engineering Department faculty members, Director of the School of Computer and Engineering Technologies (SCET), Director of Curriculum Development for SCET, Chair of the Engineering Department, District Director of Academic Programs, and Associate Provost of Institutional Effectiveness.

To gauge the interest for the proposed baccalaureate degree, MDC faculty, administrators, and staff representatives developed and conducted industry, student, and alumni surveys between July 2007 and September 2007, evaluated state and national higher education initiatives, and reviewed local and national labor trends and statistics. MDC conducted an industry and faculty-led curriculum development process to address the continuing need for advanced electronics engineering technology education and training. A focus group of

[†] \$81.84 per credit for tuition and fees for 134 credits based on 2007-2008 tuition rates. Source <http://www.mdc.edu/tuition/> accessed January 29, 2008

[‡] \$109.40 per credit for 129 credits Source <http://admissions.fiu.edu/costs.htm> accessed January 29, 2008

[§] \$16,211 per semester for 8 semesters, exclusive of fees. Source http://www6.miami.edu/UMH/CDA/UMH_Main/0,1770,29532-1;44908-2;39181-2;46641-3.00.html accessed January 29, 2008

industry representatives was convened to identify workforce requirements and define skill sets and to develop an industry-, workforce-driven curriculum. Participants included representatives from Florida Power and Light, AT&T, Federal Aviation Administration (FAA), Florida Department of Transportation Miami Toll System, Carnival Cruise Lines, and an independent engineering consultant representing small business interests.

Workforce Needs/Demands

- In a survey of Miami-Dade County small and large companies, conducted by MDC's Institutional Research Department in July 2007, respondents indicated the need to hire between 8 (small companies) and up to 500 (large companies) individuals with baccalaureate degrees for a variety of positions including electronics engineering (mean of 91 positions) over the next 3 – 5 years, which indicates the importance of the baccalaureate education to these employers.
- Locally, Florida Power and Light projects an interest in enrolling up to 200 employees in a local BAS EET program and a need to hire up to 500 bachelor level engineers over the next three to five years. A sampling of other local employers indicated hiring needs for at least 80 bachelor level engineering positions over the next three years.
- In surveys of current engineering students conducted between July and September 2007, 58.2% (92) of respondents indicated that they would enroll in the BAS in Electronics Engineering Technology if offered at MDC.
- In a survey of MDC alumni conducted in July 2007, 35.5% (65) of respondents indicated interest in enrolling in the BAS in Electronics Engineering Technology if offered at MDC. 62% (39) of the alumni respondents indicated that they are currently employed. Of those who identified their job function, 23% (n=8) specified an electrical or electronic-related job category. Of the respondents who selected "other" 24 out of 27 respondents identified an engineering related job responsibility closely aligned with the objectives of the proposed BAS degree.

Academic Content and Curriculum

The Bachelor of Applied Science in Electronics Engineering Technology (CIP 15.0303) is designed to provide seamless articulation for AS EET graduates. It will also accommodate AS engineering technology majors in computer engineering technology, telecommunications, and biomedical engineering technology, and students entering with an Associate in Arts. As noted in Table 13, it incorporates the lower division technical core and general education courses from the AS EET and provides the upper division level advanced electronics engineering technology skills, with emphasis on the applied, practical application of engineering principles. Industry practitioners defined the job functions, job duties required for positions, and the knowledge, skills, tools, and equipment required to accomplish the goals. MDC Engineering faculty members further developed and refined the course competencies, learning outcomes, and learning resources.

MDC's BAS EET program will adhere to the requirements stipulated in the *Statewide Articulation Manual*, which stipulates 134 semester hours for the baccalaureate in electronics engineering technology consequently, the BAS EET will exceed the State of Florida's 120 credit hour limit. Students entering with an AS EET will be credited with 68 credits and complete 66 credit hours at the junior/senior level including 48 hours of engineering technology core courses at the senior level institution as mandated by the state for this degree program**. MDC plans to seek industry accreditation for the BAS EET program from ABET, Inc., the accreditation board for engineering and technology. Accordingly, it has incorporated ABET requirements into

** Florida Department of Education (FLDOE) Office of K-20 Articulation, Division of Strategic Initiatives, *Statewide Post-Secondary Articulation Manual, Career Ladder Agreement*, (2005). Retrieved October 1, 2007 from http://www.fldoe.org/articulation/pdf/AStoBaccalaureate_Agreemnts.pdf.

the curriculum to support this objective. It should be noted that ABET requires a *minimum* of 124 credit hours for engineering technology programs [1].

Assessment of Current and Anticipated Resources and Budget to Deliver the Program

A preliminary assessment of required resources has been projected with estimated costs (Appendix 14) for the academic years 2008 through 2012 to include: facilities renovations for three classroom/laboratories (\$90,000); specialized equipment and tools for the new laboratories, including, electronics, testing equipment, and computers for each classroom/lab (\$288,601); additional library resources including subscriptions to IEEE journals, 1800 total new book titles, 200 new non-print books (e-books, CDs, etc.), 50 total new print serials, and one new database (\$168,250) plus library support salaries (\$23,000). Instructional support requires one additional full-time faculty, two additional part-time faculty, and a laboratory instructional support assistant (\$249,432 for instructional support). Other staffing needs include one full-time program manager, a part-time academic advisor/recruiter, and a part-time clerical/administrative assistant (\$323,458 other program personnel expenses).

The projected expenditure for academic years 2008 through 2012 is \$1,344,984 (average of \$336,246 per year). Enrollment projections are based on 24 students (10 FTEs) beginning in January 2010 and increasing to 80 students (54 FTEs) by 2011-12, assuming an annual attrition rate of 25%. Revenue from student fees is projected to be \$225,370 for the 4-year start-up period, based on the 2007-2008 state tuition rate of \$81.84 per credit hour and assuming 5% annual increases in tuition rates. The estimated FTE funding from the State is projected to be \$324,742 based on the State’s 2008-2009 funding formula of \$3657 per FTE, leaving \$794,872 to be funded from other sources. It is estimated that beginning in 2011-12, 12 students will graduate from the program with 100% placement due to the demand, and at projected starting salaries of \$58,000 or higher.

Program Sheet

Bachelor of Applied Science Electronics Engineering Technology

C.I.P. 15.0303

Total credits required for the degree is 134

This program is designed to prepare students for entry level engineering positions such as Electronics Engineers, Test Engineers, Project Engineers, Electronics Manufacturing Engineers, Electronics Systems Engineers, Electronics Hardware Engineers, Technical Support Engineers, Quality Control Engineers, Reliability Engineers, Field Engineers, Processing Engineers, and Sales Engineers.

Course	Course Title	Credits	Pre-/Co-Requisites
GENERAL EDUCATION: 36 CREDITS REQUIRED			
Communications – 6 Credits Required			
ENC 1101	English Composition 1		3
ENC 1102	English Composition 2		3
	Pre-Req ENC 1101		
Oral Communication – 3 Credits Required			
SPC 1026	Fundamentals of Speech	3	
	Communications (recommended)		
Humanities – 6 Credits Required			
PHI 2010	Introduction to Philosophy (recommended)	3	
PHI 2604	Critical Thinking/Ethics (recommended)	3	Pre-Req ENC 1102

Behavioral and Social Science – 6 Credits Required

CLP 1006	Psychology of Personal Effectiveness (recommended)	3	
ECO 2013	Principles of Economics (Macro) (recommended)	3	

Science – 6 Credits Required – Two Physics Courses (See note below).

NOTE: The FLDOE State Matriculation Career Ladder Agreement requires two physics courses (minimum 6 credit hours). This requirement conflicts with MDC's AA requirement for 3 credits in a natural science and 3 credits in a life science. The Science Discipline has agreed and ALC has approved (6/5/08) pending College CASSC action on this proposal that the MDC Gen Ed AA requirement for a life science may be waived only for declared BAS EET students and that a second physics course may be taken instead.

PHY 2053	Physics without Calculus	3	Prereq MAC 1114 or MAC 1147; Co-req PHY2053L
PHY 2054	Physics w/o Calculus 2	3	PHY2053; Co-req PHY2054L

Mathematics – 6 Credits Required

* Courses exclude labs.

MAC 1105	College Algebra	3	Pre-req MAT1033
MAC 2311	Calculus and Analytical Geometry 1 and Trigonometry	5	Pre-req MAC1147

Note: extra 2 credits assigned to General Education Elective block

General Education Elective – 3 Credits Required

See Advisor for Approved Selections

PHY2053L	Physics w Calculus Lab	1	Co-req PHY2048
----------	------------------------	---	----------------

COMMON COURSE PREREQUISITES

MAC2311	Calculus and Analytical Geometry 2	GE	Pre-req MAC2311
MAC2312	Calculus and Analytical Geometry 2	4	Pre-req MAC2311
PHY2053/2053L	Physics w/o Calculus 2	GE	Pre-req MAC1114 or MAC1140; Co-req PHY2053L

LOWER DIVISION Technology Core– 38 Credits Required

CET2114C	Digital Computer Circuit Analysis 1	4	Pre/Co-req MAC1105
CET 2123C	Microprocessors	4	Pre-Req CET2114C, MAC1147
EET 1015C	Direct Current Circuits	4	Pre/Co-req MAC1105
EET 1025C	Alternating Current Circuits	4	Pre-req EET1015C; co-req MAC1147
EET 1141C	Electronics I	4	Pre-Req EET1025C
EET 2101C	Electronics II	4	Pre-Req EET1141C
EET 2305C	Electronic Communications 1 - Analog	4	Co-req EET2101C
CGS2423	C for Engineers	4	Pre-Req CGS1060
	OR		
COP1220	Introduction to C++ Programming	4	Pre-Req CGS1060
MAC1140	Pre-Calculus Algebra	3	Pre-Req MAC 1105
MAC1114	Trigonometry	3	Pre-Req MAC1105 or MAC1140

LOWER DIVISION TECHNICAL ELECTIVES – 8 CREDITS REQUIRED

CET 2142C	Advanced Digital Circuits (recommended)	4	CET2114C
EET 2351C	Electronic Communications 2 - Digital (recommended)	4	Pre-req EET2305C

MAJOR CORE REQUIREMENTS – 48 Credits Required

CET 3126C	Advanced Microprocessors	4	Pre-req CET2123C
-----------	--------------------------	---	------------------

CASSC Meeting
June 10, 2008

CET 4190C Applied Digital Signal Processing	4	Pre-req CET3126C, EET4136
EET 3158C Linear Integrated Circuits and Devices	4	Pre-req EET2101
EET 3XXX Power Systems	3	Pre-req EET1025C
EET 3716C Advanced System Analysis	4	Pre-req EET2101C, Co-req MAC2312
EET 4XXXC Signals and Systems	4	Pre-req MAC2311
EET 4732C Feedback Control Systems	4	Pre-req EET3158C
EET 4165C Senior Design 1	3	Department approval required
EET 4166C Senior Design 2	3	Department approval required
EST 3543C Programmable Logic Controllers	4	CET2123C
ETI 3671 Technical Economic Analysis	3	MAC1105
ETI 3704 Safety Issues in Electronics Engineering Technology	3	
ETI 4480C Applied Robotics	4	Pre-req CET3126C
PHY2054L Physics w/o Calculus Lab	1	Co-req PHY2054

Admission Requirements

Students must have an earned AA or AS degree from a regionally accredited institution or completed a minimum of 60 credit hours with a cumulative grade point average of 2.0 and a minimum grade point average in all lower division engineering technology core courses of 2.5.

Students must have a minimum of 28 lower division technology courses and must satisfy all course prerequisite requirements before being admitted into upper division level engineering technology core courses.

Students must complete MAC1105 and ENC1101 prior to being admitted into the senior level institution.

Students must submit a completed Miami Dade College Admissions Application.

Additional Information:

Students entering with an AS or AAS degree may need additional General Education credits to meet the 36 General Education credits required for the baccalaureate degree. Students entering with an AA degree may need additional electives to provide appropriate background for the baccalaureate program.

Graduation Requirements

- a minimum of 134 semester hours in specified coursework (refer to the Curriculum Guide in Table 10)
- a minimum cumulative grade point average of 2.0
- a grade point average in the engineering major of at least 2.5
- a minimum of 30 semester hours of 3000-4000 level course work at the senior level institution
- successful completion of a minimum of 48 semester hours of engineering technology core coursework at the senior institution level
- satisfactory completion the general education 36 credit hour requirements
- satisfactory completion of the Gordon Rule requirements
- satisfactory completion of the CLAST or waiver
- Computer Competency: By the 16th earned college level credit (excluding EAP and college preparatory courses), a student must take the Computer Competency Test and pass
- By the 31st earned college level credit (excluding EAP and college preparatory courses), a student must pass CGS 1060, an equivalent continuing education or vocational credit course or retest with a passing score on the Computer Competency Test.
- Foreign Language: Students admitted to the baccalaureate degree program without meeting the foreign language admission requirement of at least 2 courses (6 - 8 credit hours) of sequential foreign language at the secondary level or the equivalent of such instruction at the postsecondary level must earn such credits prior to graduation.

Students should check their individualized Degree Audit Report to determine the specific graduation policies in effect for their program of study for the year and term they entered Miami Dade. This outline includes current graduation requirements.

The final responsibility for meeting graduation requirements rests with the student.

Curriculum Design

The curriculum is designed to create highly trained, well educated, and employable electronics engineering technology professionals. The curriculum was developed utilizing extensive input from workforce experts, electronics engineering faculty, and college administrators to ensure that students acquire the latest skills and content. An industry focus group was conducted in May 2007 during which a job task analysis was performed and key skill sets, knowledge, and equipment were identified (Appendix 6). Consideration has been given to ensure that the proposed program incorporates a clear scope and sequence of core coursework thereby allowing for a seamless transition. Descriptions for senior level institution technology core courses are available in Appendix 9. The Bachelor of Applied Science degree in Electronics Engineering Technology has been designed with a high degree of flexibility allowing students to enter at various points, including Dual Enrollment (high school 11th grade), freshman or transfer entry or upon completion of an AS, AAS, or AA degree from a regionally accredited institution. A four-year advising plan was developed to provide students an example of the proposed plan of study (Appendix 10).

General Education and Common Prerequisite Courses

The proposed Miami Dade College BAS in Electronics Engineering Technology degree program conforms to all state statutes and rules, including the completion of 36 credits of general education and CLAST, addresses the SACS Accreditation Criteria (3.3.1 and 3.4.1) for student learning assessments, the Florida general education standards (Florida Rule 6A.10.030), and Common Course Prerequisite requirements. The proposed degree incorporates the AS and AA lower division coursework as the foundation of the baccalaureate program and MDC is in compliance with State of Florida Articulation Agreements and Common Course Pre-Requisite standards regarding transferability. Transcripts from students transferring from out-of-state institutions will be evaluated on an individual basis per established MDC policy. All State of Florida Articulation Agreements will be preserved and State certification guidelines met.

Appendix 8 provides specific information regarding the integration and assessment of Miami Dade College general education skills areas within the proposed senior level institution coursework.

Senior Level Institution Core Courses

The senior level institution core courses (48 semester hours) are structured in a logical, sequential manner with course content increasing in difficulty and complexity. The senior level institution core is designed to provide graduates with the technical and managerial skills necessary to enter careers in design, application, installation, manufacturing, operation and/or maintenance of electrical/electronic(s) systems. In addition, it is designed to assist students in applying electrical/electronic(s) engineering theories and concepts, as well as knowledge and research-based practices in all engineering environments. Graduates will be well prepared for development and implementation of electrical/electronic(s) systems. Graduates are expected to use creative leadership and their advanced knowledge and skills to improve the state of the art in electrical/electronics engineering, as well as promote the highest standards and ethics as applied to the electrical/electronic(s) engineering technology field.

The senior level institution core electrical/electronic(s) engineering courses incorporate the following:

- A. Critical thinking as applied towards solving electrical/electronic(s) engineering problems
- B. Globalization of the engineering profession (including the concepts of culture, cultural competence, community, the impact of engineering and international engineering goals, issues, and concepts)
- C. Knowledge and research-based practice (including basic knowledge and concepts of engineering

research steps and processes in quantitative and qualitative research, and how to critique research to determine the usefulness and appropriate application of research findings to improve engineering practice)

- D. Professionalism (including behaviors, legal issues, ethics, values, and accountability and their application in a practical engineering environment).

As noted in Appendix 8, the senior level institution Electronics Engineering Technology coursework integrates the following learning objectives throughout the curriculum:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Demonstrate knowledge of ethical thinking and its application to issues in society
- Use computer and emerging technologies effectively
- Demonstrate an appreciation for aesthetics and creative activities
- Describe how natural systems function and recognize the impact of humans on the environment.

Assessment of the outcomes will be accomplished by student class presentations, research papers as well as project proposals, designs, implementations, testing, and demonstrations that will be administered throughout the various senior level institution courses. In addition, project management and engineering ethics are discussed within each course as appropriate for the various areas of electrical/electronics engineering technology. The senior level institution core courses are designed to build upon the general education, common prerequisite, and foundation EET courses as well as on the engineers' expertise, prior experience and program electives.

BAS Electric Engineering Technology
New Courses

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
ETI 3671	Technical Economic Analysis	3	1,2,3,5,6,7,8	2009-2

Course Description: This course is designed to cover the formulation and application of analytical techniques to reach cost effective solutions to engineering problems. Students will learn time based analysis of selection, replacement, and lease-or-buy decisions including multiple alternatives, uncertainty, and sensitivity analysis, using a problem-solving approach. Prerequisite: MAC1105. (3 hr. lecture)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CET 3126C	Advanced Microprocessors	4	1,2,3,5,6,7,8	2009-2

Course Description: This is an upper division level course for students majoring in electronics engineering technology that presents an in-depth study of advanced (16-bit and 32-bit) microprocessors as they apply to embedded systems. Students learn standards relating to embedded design, hardware requirements, embedded

processors, memory, I/O, and buses and software topics relating to embedded design including device drivers, embedded operating systems, middleware and application Software. Students apply this knowledge to the design, development, and testing of an embedded system. Prerequisite: CET 2123C. Laboratory fee. (2 hr lecture, 4 hr lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
CET 4190C	Applied Digital Signal Processing	4	1,2,3,5,6,7,8	2009-2

Course Description: This is an upper division level course for students majoring in electronics engineering technology. Digital signal processing (DSP) is the study of signals in a digital representation and the processing methods of these signals. Students learn digital signal processing and analog signal processing, including how to convert between analog and digital forms, how to measure or filter signals, technologies used for digital

signal processing including field-programmable gate arrays (FPGAs), digital signal controllers (mostly for industrial apps such as motor control), and stream processors, among others. Prerequisites: CET 3126C, EET4136C. Laboratory fee. (2 hr. lecture, 4 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
EET 3158C	Linear Integrated Circuits & Devices	4	1,2,3,5,6,7,8	2009-2

Course Description: This is an upper division level course for students majoring in electronics engineering technology designed to provide students with practical skills and knowledge needed for the application of operational amplifiers, comparators, phase-locked loops, timers, regulators, other integrated circuits in electronic systems. Students learn to apply these skills towards the design of amplifiers, active filters, oscillators, differentiators, integrators and other miscellaneous integrated circuit based systems. Prerequisite: EET2101C. Laboratory fee. (2 hr. lecture; 4 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
EET 3541	Power Systems	3	1,2,3,5,6,7,8	2009-2

Course Description: This is an upper division level course for students majoring in electronics engineering technology covering specific issues of electrical power systems. Students learn about power factor, three phase circuits, and transformers. Prerequisite: EET1025C. (3 hr lecture)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
EET 3716C	Advanced Systems Analysis	4	1,2,3,5,6,7,8	2009-2

Course Description: This is an upper division level course for students majoring in electronics engineering technology designed to prepare students to perform electrical circuit systems analysis using Laplace transforms and partial fraction expansion. Students learn theorems, frequency response and bode plots, and their application towards practical systems. Prerequisite: EET2101C. Co-requisite MAC2312. Laboratory fee. (2 hr. lecture, 4 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
EET 4136C	Signals and Systems	4	1,2,3,5,6,7,8	2009-2

Course Description: This course is designed to cover the use of Fourier analysis in electrical and electric systems, and introduction to probability theory, linear algebra, and complex variables. Students will learn how to apply convolution, Fourier transforms, Laplace, and z transforms towards electrical signals and systems. Prerequisite: MAC2311. Laboratory fee. (2 hr lecture, 4 hr lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
EET 4732C	Feedback Control Systems	4	1,2,3,5,6,7,8	2009-2

Course Description: This is an upper division course designed to introduce students to the analysis of networks and control systems. Students learn about stability and compensation considerations, using root locus, the Nichols chart, and Bode plots; simulation techniques; and how to apply these principles to build and test control systems. Prerequisite: EET3158C. Laboratory fee. (2 hr. lecture; 4 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
EST 3542C	Programmable Logic Controllers	4	1,2,3,5,6,7,8	2009-2

Course Description: This course is designed to provide students with the skills to design, operate, and test PLC systems. Students learn logic fundamentals, programming technologies, integrated circuits, and number systems as applied to PLC technology. Prerequisite: CET2123C. Laboratory fee. (2 hr. lecture; 4 hr. lab)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
ETI 3704	Safety Issues in Electronics Engineering Tech.	3	1,2,3,5,6,7,8	2009-2

Course Description: This course is designed to teach students principles of safety in typical industrial electronics and manufacturing environments. Students will learn analysis and design of safety programs for industry, with emphasis on the occupational safety and health act (OSHA), the National Electrical Code, and Materials Safety Data Sheets (MSDS). Prerequisite: none. (3 hr. lecture)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
ETI 3704	Safety Issues in Electronics Engineering Tech.	3	1,2,3,5,6,7,8	2009-2

Course Description: This course is designed to teach students principles of safety in typical industrial electronics and manufacturing environments. Students will learn analysis and design of safety programs for industry, with emphasis on the occupational safety and health act (OSHA), the National Electrical Code, and Materials Safety Data Sheets (MSDS). Prerequisite: none. (3 hr. lecture)

<u>Course No.</u>	<u>Course Title</u>	<u>Credits</u>	<u>Campus</u>	<u>Eff. Term</u>
ETI 4480C	Applied Robotics	3	1,2,3,5,6,7,8	2009-2

Course Description: This is an upper division level course designed as an introduction to robotics programming and includes robotic applications for multifunction part manipulation and motion with stepper and servo-motors. Students learn topics related to robotic design including robotic vision, motion planning, sensing and sensors, actuators, navigation systems, mobility, forward and inverse kinematics, and non-holonomic path planning. Laboratory activities provide hands-on application of concepts and theories. Prerequisite: CET3126C. Laboratory fee. (2 hr lecture, 4 hr lab)

**UNANIMOUS
APPROVAL
27 IN FAVOR
0 OPPOSED**

6. **School of Education**

Changes to BS in Physics and Biology

Carol Tulikangas introduced Susan Neimand who presented the changes to the BS in Physics and Biology education.

Change Existing Program

Title: Secondary Science Education – Physics
Program Code: S4103
Number of Credits: From 133 to 120
Effective Term: 2008-1
Campus: 1,2,3,5,6,7,8



Science Education -Physics
Program Comparison

Current Program 133 Credits	Revised Program 120 Credits
Lower Division (80 credits)	Lower Division (60 credits)
Communication: (6 credits) → ENC1101 ENC1102	Communication: (6 credits) ENC1101 ENC1102
Oral communication: (3 credits) → LIT2480 or SPC1026	Oral communication: (3 credits) Oral Communications Requirements
Humanities: (6 Credits) → Humanities (Group A) Humanities (Group B)	Humanities: (6 Credits) Humanities (Group A) Humanities (Group B)
Social Science: (12 Credits) → PSY2012 AMH2010 or AMH2020 DEP2000 Diversity Requirement	Social Science: (6 Credits) Social Science (Group A) DEP2000 Recommended Social Science (Group B)
Natural Science: (28 Credits) → BSC2010 (REMOVED) BSC2010L (REMOVED) CHM1045 (MOVED to B.S.) CHM1045L (REMOVED) CHM1046 (REMOVED) CHM1046L (REMOVED) GLY1010 PHY2048 PHY2048L PHY2049 PHY2049L	Natural Science: (16 Credits) BSC1005 GLY1010 PHY2048 PHY2048L PHY2049 PHY2049L
Mathematics: (9Credits) →	Mathematics: (9 Credits)

<p>MAC 2311 MAC2312</p> <p>Computer Competency: (4 credits) CGS1060</p> <p>Program Pre-requisites: (12 Credits) EDF1005 EDG2701 EME2040 EEX2000</p> <p>Electives: (0 Credits)</p>	<p>MAC 2311 MAC2312</p> <p>Computer Competency: (0-4 credits) CGS1060 or Exam</p> <p>Program Pre-requisites: (14 Credits) EDF1005 EDG2701 EME2040 EEX2000 EME3410 (NEW)</p> <p>Electives: (0 Credits)</p>
--	---

Upper Division (53credits)	Upper Division (60 credits)
<p>Professional Education Core: (18 credits) EDF3111: Human Development & Learning (REMOVED) EDF4430: Measurement Evaluation & Assessment in Education.</p> <p>EDG3410: Classroom Management and Communication K-12 (REMOVED)</p> <p>EEX3010: Nature & Needs of Exceptional Students (REMOVED)</p> <p>RED3352: Reading in the Content Area (REMOVED) TSL4324C:ESOL Strategies for Content Area Teachers</p> <p>Physics Content Discipline: (23 credits) ISC 3012: History of Science (REMOVED)</p> <p>PHY3019: Technology in Physics Teaching (REMOVED)</p> <p>PHY3101: Modern Physics PHY3101L: Modern Physics (REMOVED)</p> <p>PHY3504C: Thermodynamics and Waves</p> <p>PHY4220: Classical Mechanics</p> <p>PHZ3113: Mathematical Physics (REMOVED)</p> <p>Science Education Content Discipline: (6 credits) SCE4362: Methods of Teaching Science 1</p>	<p>Professional Education Core: (18 credits) EDG3321: General Teaching Skills (ADDED) EDF4430: Measurement and Assessment in Education</p> <p>EDG3411: Classroom Management for Regular and Exceptional Students (ADDED)</p> <p>EEX3071: Teaching Exceptional and Diverse Populations in Inclusive Settings (ADDED)</p> <p>RED3013:Foundations of Reading Instruction (ADDED) TSL4324C:ESOL Strategies for Content Area Teachers</p> <p>Physics Content Discipline: (21 credits) AST1002: Astronomy (ADDED) CHM1045: General Chemistry (MOVED from A.A.) PHY3101: Modern Physics PHY3504: Thermodynamics and Waves PHY4220: Classical Mechanics PHY4424: Optics (ADDED) PHY3802L: Intermediate Physics Lab –Inquiry (NEW) MAP2302: Differential Equations (ADDED)</p> <p>Science Education Content Discipline: (9 credits) SCE4362: Methods of Teaching Science</p>

<p>SCE4363: Methods of Teaching Science 2 →</p> <p>Internship: (12 credits) SCE4945: Student Teaching/Science Education Internship and Seminar →</p>	<p>SCE4363: Advanced Topics in Science Education Practicum</p> <p>SCE 3863: Teaching and Learning the Nature of Science (NEW)</p> <p>Internship: (12 credits) SCE4945: Student Teaching/Science Education Internship</p> <p>SCE4943: Science Education Seminar (NEW)</p>
---	---

Change Existing Program

Title: Secondary Science Education – Biology
Program Code: S4100
Number of Credits: From 126 to 120
Effective Term: 2008-1
Campus: 1,2,3,5,6,7,8



Science Education -Biology
Program Comparison

Current Program 125 Credits	Revised Program 120 Credits
Lower Division (67 credits)	Lower Division (60 credits)
<p>Communication: (6 credits) → ENC1101 ENC1102</p> <p>Oral communication: (3 credits) → LIT2480 or SPC1026</p> <p>Humanities: (6 Credits) → Humanities (Group A) Humanities (Group B)</p> <p>Social Science: (12 Credits) → PSY2012 AMH2010 or AMH2020 DEP2000 Diversity Requirement</p> <p>Natural Science: (27 Credits) → BSC2010 BSC2010L BSC2011 BSC2011L CHM1045 CHM1045L CHM1046 CHM1046L</p>	<p>Communication: (6 credits) ENC1101 ENC1102</p> <p>Oral communication: (3 credits) Oral Communications Requirements</p> <p>Humanities: (6 Credits) Humanities (Group A) Humanities (Group B)</p> <p>Social Science: (6 Credits) Social Science (Group A) DEP2000 Recommended Social Science (Group B)</p> <p>Natural Science: (19 Credits) BSC2010 BSC2010L BSC2011 BSC2011L CHM1045 CHM1045L CHM1046 CHM1046L</p>

CASSC Meeting
June 10, 2008

<p>CHM2200 (MOVED to B.S. Requirement) CHM2200L(MOVED to B.S. Requirement) GLY1010 (REMOVED)</p> <p>Mathematics: (9Credits) → MAC1105 or above (6 credits) MTG2204</p> <p>Computer Competency: (4 credits) CGS1060 →</p> <p>Program Pre-requisites: (12 Credits) EDF1005 → EDG2701 EME2040 EEX2000</p> <p>Electives: (0 Credits) →</p>	<p>PSC1515(ADDED)</p> <p>Mathematics: (6 Credits) MAC1105 or above (6 credits)</p> <p>Computer Competency: (0-4 credits) CGS1060 or Exam</p> <p>Program Pre-requisites: (14 Credits) EDF1005 EDG2701 EME2040 EEX2000 EME3410 (NEW)</p> <p>Electives: (0 Credits)</p>
--	---

<p>Upper Division (58 credits)</p>	<p>Upper Division (60 credits)</p>
<p>Professional Education Core: (18 credits) EDF3111: Human Development & Learning → (REMOVED) EDF4430: Measurement Evaluation & Assessment in Education. →</p> <p>EDG3410: Classroom Management and Communication K-12 (REMOVED) → EEX3010: Nature & Needs of Exceptional Students (REMOVED) →</p> <p>RED3352: Reading in the Content Area → (REMOVED) TSL4324C:ESOL Strategies for Content Area Teachers →</p> <p>Biology Content Discipline: (22 credits) BOT3015: Survey of Plant Diversity (REMOVED) BOT 3015L: Survey of Plant Diversity Lab (REMOVED)</p> <p>BCH3023: Intro. to Biochemistry → BCH3023: Intro to Biochemistry Lab</p> <p>PCB 3043: Fundamentals of Ecology → PCB 3060: Principles of Genetics → PCB 4676: Evolution (REMOVED) ZOO3021: Survey of Animal Diversity (REMOVED)</p>	<p>Professional Education Core: (18 credits) EDG3321: General Teaching Skills (ADDED) EDF4430: Measurement and Assessment in Education EDG3411: Classroom Management for Regular and Exceptional Students (ADDED) EEX3071: Teaching Exceptional and Diverse Populations in Inclusive Settings (ADDED) RED3013:Foundations of Reading Instruction (ADDED) TSL4324C:ESOL Strategies for Content Area Teachers</p> <p>Biology Content Discipline: (18 credits) BCH3023: Intro to Biochemistry BCH3023L: Intro to Biochemistry Lab CHM2200: Survey of Organic (MOVED from A.A.) CHM2200L: Survey of Organic Lab (MOVED from A.A.) MCB2010: Microbiology (ADDED) MCB 2010L: Microbiology Lab (ADDED) PCB 3043: Fundamentals of Ecology PCB 3060: Principles of Genetics</p>

<p>ZOO3021L: Survey of Animal Diversity Lab (REMOVED)</p> <p>Science Education Discipline: (6 credits) SCE4362: Methods of Teaching Science 1 →</p> <p>SCE4363: Methods of Teaching Science 2 →</p> <p>Internship: (12 credits) SCE4945: Student Teaching/Science Education Internship and Seminar ↘</p>	<p>BSC2020: Human Biology (ADDED)</p> <p>Science Education Discipline: (9 credits) SCE4362: Methods of Teaching Science</p> <p>SCE4363: Advanced Topics in Science Education Practicum</p> <p>SCE 3863: Teaching and Learning the Nature of Science (NEW)</p> <p>Internship: (12 credits) SCE4945: Student Teaching/Science Education Internship</p> <p>SCE4943: Science Education Seminar (NEW)</p>
---	---

**UNANIMOUS
APPROVAL
27 IN FAVOR
0 OPPOSED**

7. **School of Justice**

**Course Management Systems Requirements from Florida Department of Law Enforcement
Traditional Correctional BRT Program (County and State)**

Gloria León introduced Debbie Goodman and Michael Kean who presented as an informational item the mandated changes by the Florida Department of Law Enforcement to the following programs in the School of Justice.

Change Existing Program (County)

From: Correctional Officer
To: Traditional Correctional BRT Program County
Program Code: 57020
Number of Credits: From 597 to 568
Effective Term: 2007-3
Campus: 1

This is the OLD program sheet for CO

VOCATIONAL CREDIT CERTIFICATE
PROGRAM OF STUDY: CORRECTIONAL OFFICER - COUNTY (57020)
EFFECTIVE TERM: Summer 2007 (2007-3)

I. GENERAL EDUCATION REQUIREMENTS

1. COMPLETION POINT - A (597.00 hours)

[CJD 0478](#) - Correctional Officer Basic Defensive Driver Training (0.53credits)

[CJD 0741](#) - Emergency Preparedness (0.3 vocational credits)

[CJD 0747](#) - State Exam Review for Correctional Officer Certification (0.70 credits) – **DELETE**

[CJD 0750](#) - Interpersonal Skills 2 (1.7 vocational credits)

[CJD 0752](#) - Correctional Operations (2.1 vocational credits)

[CJD 0770](#) - Criminal Justice Legal 1 (1.5 vocational credits)

[CJD 0771](#) - Criminal Justice Legal 2 (0.7 vocational credit)

[CJD 0772](#) - Criminal Justice Communications (1.4 vocational credits)

[CJD 0773](#) - Interpersonal Skills 1 (2.1 vocational credits)

[CJK 0031](#) - First Aid for Criminal Justice Officers (1.33 credits)

[CJK 0040](#) - Firearms (2.93-3.47 credits)

[CJK 0050](#) - Criminal Justice Defensive Tactics (3.33 credits) – **DELETE**

[CJK 0095](#) - Criminal Justice Special Topics (0.67 credits) - **DELETE**

* End of Program Sheet *

This is what the new program sheet should look like!

VOCATIONAL CREDIT CERTIFICATE
PROGRAM OF STUDY: CORRECTIONAL OFFICER - COUNTY (57020)
EFFECTIVE TERM: Summer 2007 (2007-3)

I. GENERAL EDUCATION REQUIREMENTS

1. COMPLETION POINT - A (564.6 Contact Hours, 18.82 Credit)

Test type(s) needed:

[CJD 0770](#) – Criminal Justice Legal 1 (1.5 vocational credits)

[CJD 0771](#) – Criminal Justice Legal 2 (0.7 vocational credit)

[CJD 0772](#) – Criminal Justice Communications (1.4 vocational credits)

[CJD 0773](#) – Interpersonal Skills 1 (2.06 vocational credits)

[CJD 0750](#) – Interpersonal Skills 2 (1.66 vocational credits)

[CJK 0051](#) – CMS Criminal Justice Defensive Tactics (2.66 credits) - **ADD**

[CJK 0040](#) – CMS Criminal Justice Firearms (2.66 credits)

[CJK 0031](#) – CMS First Aid for Criminal Justice Officers (1.33 credits)

[CJD 0741](#) – Emergency Preparedness (0.86 vocational credits)

[CJD 0752](#) – Correctional Operations (2.13 vocational credits)

[CJK 0280](#) – CMS Criminal Justice Officer Physical Fitness Training (1.33 credits) - **ADD**

[CJD 0478](#) - Correctional Officer Basic Defensive Driver Training (0.53 credits)

* End of Program Sheet *

Change Existing Program (State)

From: Correctional Officer
To: Traditional Correctional BRT Program State
Program Code: 57021
Number of Credits: From 595 to 552
Effective Term: 2007-3
Campus: 1

This is the OLD program sheet for CO.

**VOCATIONAL CREDIT CERTIFICATE
PROGRAM OF STUDY: CORRECTIONAL OFFICER - STATE (57021)
EFFECTIVE TERM: Summer 2007 (2007-3)**

I. GENERAL EDUCATION REQUIREMENTS

1. COMPLETION POINT - A (595.00 hours)
Test type(s) needed:

[CJD 0741](#) - Emergency Preparedness (0.3 vocational credits)

[CJD 0747](#) - State Exam Review for Correctional Officer Certification
(0.70 credits)- **DELETE**

[CJD 0750](#) - Interpersonal Skills 2 (1.7 vocational credits)

[CJD 0752](#) - Correctional Operations (2.1 vocational credits)

[CJD 0770](#) - Criminal Justice Legal 1 (1.5 vocational credits)

[CJD 0771](#) - Criminal Justice Legal 2 (0.7 vocational credit)

[CJD 0772](#) - Criminal Justice Communications (1.4 vocational credits)

[CJD 0773](#) - Interpersonal Skills 1 (2.1 vocational credits)

[CJK 0031](#) - First Aid for Criminal Justice Officers (1.33 credits)

[CJK 0040](#) - Firearms (2.93-3.47 credits)

[CJK 0050](#) - Criminal Justice Defensive Tactics (3.33 credits)- **DELETE**

[CJK 0095](#) - Criminal Justice Special Topics (0.67 credits) - **DELETE**

* End of Program Sheet *

This is what the new program sheet should look like!

**VOCATIONAL CREDIT CERTIFICATE
PROGRAM OF STUDY: CORRECTIONAL OFFICER - STATE (57021)
EFFECTIVE TERM: Summer 2007 (2007-3)**

I. GENERAL EDUCATION REQUIREMENTS

1. COMPLETION POINT - A (551.1 Contact Hours, 18.37 Credits)
Test type(s) needed:

[CJD 0770](#) - Criminal Justice Legal 1 (1.5 vocational credits)

[CJD 0771](#) - Criminal Justice Legal 2 (0.7 vocational credit)

[CJK 0040](#) - CMS Criminal Justice Firearms (2.66 credits)

[CJK 0031](#) - CMS First Aid for Criminal Justice Officers (1.33 credits)

CASSC Meeting

June 10, 2008

[CJD 0772](#) – Criminal Justice Communications (1.4 vocational credits)

[CJD 0741](#) – Emergency Preparedness (0.86 vocational credits)

[CJD 0773](#) – Interpersonal Skills 1 (2.1 vocational credits)

[CJD 0752](#) – Correctional Operations (2.13 vocational credits)

[CJD 0750](#) – Interpersonal Skills 2 (1.7 vocational credits)

[CJK 0280](#) – CMS Criminal Justice Officer Physical Fitness Training (1.33 credits) - **ADD**

[CJK 0051](#) – CMS Criminal Justice Defensive Tactics (2.66 credits) - **ADD**

* End of Program Sheet *

Change Existing Program

From: Crossover - CORR-OFC TO LE OFC
To: Traditional CO to CMS LE BRT Cross-Over Program
Program Code: 57016
Number of Credits: From 301.80 to 457
Effective Term: 2007-3
Campus: 1

This is the old program sheet for Cross over.

**VOCATIONAL CREDIT CERTIFICATE
PROGRAM OF STUDY: CROSSOVER - CORR OFC TO LE OFC (57016)
EFFECTIVE TERM: Summer 2007 (2007-3)**

I. GENERAL EDUCATION REQUIREMENTS

1. COMPLETION POINT - A (301.80 hours)

[CJD 0210](#) - State Exam Review for Police Officer Certification (.7 vocational credits) – **DELETE**

[CJD 0732](#) - Law Enforcement Traffic (1.5 vocational credits) – **DELETE**

[CJD 0734](#) - Law Enforcement Investigations (2.1 vocational credits) – **DELETE**

[CJD 0723](#) - Vehicle Operations (1.1 vocational credits) – **DELETE**

[CJD 0781](#) - Cross-Over Corrections to Law Enforcement (1.60 credits) – **DELETE**

[CJD 0730](#) - Law Enforcement Legal 3 (1.1 vocational credits) – **DELETE**

[CJD 0731](#) - Law Enforcement Patrol (2.1 vocational credits) – **DELETE**

* End of Program Sheet *

This is what the new program sheet should look like!

VOCATIONAL CREDIT CERTIFICATE
PROGRAM OF STUDY: CROSSOVER - CORR OFC TO LE OFC (57016)
EFFECTIVE TERM: Summer 2007 (2007-3)

I. GENERAL EDUCATION REQUIREMENTS

1. COMPLETION POINT - A (455.4 Contact Hours, 15.18 Credits)

[CJK 0221](#) - Correctional Cross-Over to Law Enforcement Introduction and Legal
(1.56 vocational credits) - **ADD**

[CJK 0222](#) - Correctional Cross-Over to Law Enforcement Communications
(1.86 vocational credits) - **ADD**

[CJK 0223](#) - Correctional Cross-Over to Law Enforcement Human Issues
(1.06 vocational credits) - **ADD**

[CJK 0061](#) - Patrol I (1.93 vocational credits) - **ADD**

[CJK 0062](#) - Patrol II (1.33 vocational credits) - **ADD**

[CJK 0076](#) - Crime Scene Investigations (0.8 vocational credits) - **ADD**

[CJK 0071](#) - Criminal Investigations (1.86 vocational credits) - **ADD**

[CJK 0081](#) - Traffic Stops (1.6 vocational credits) - **ADD**

[CJK 0086](#) - Traffic Crash Investigations (1.06 credits) - **ADD**

[CJK 0020](#) - CMS Law Enforcement Vehicle Operations
(1.6 vocational credits) - **ADD**

[CJK 0422](#) - Dart-Firing Stun Gun (0.26 vocational credits) - **ADD**

[CJK 0212](#) - Cross-over CO to LE CMS High-liability (0.26 vocational credits) - **ADD**

* End of Program Sheet *

Change Existing Program

From: Law Enforcement Officer
To: Florida CMS Law Enforcement BRT Program
Program Code: 57022
Number of Credits: From 760 to 770.00 (Pub) 768.3 (Actual)
Effective Term: 2007-3
Campus: 1

This is the OLD program sheet for LE
VOCATIONAL CREDIT CERTIFICATE
PROGRAM OF STUDY: LAW ENFORCEMENT OFFICER (57022)
EFFECTIVE TERM: Summer 2007 (2007-3)

I. GENERAL EDUCATION REQUIREMENTS

1. COMPLETION POINT - A (760.00 hours)

[CJK 0006](#) - Criminal Justice Introduction and Law (2.23 credits)-
DELETE

[CJK 0060](#) - Patrol (1.90 credits) – **DELETE**

[CJK 0010](#) - Human Issues (1.67 credits)- **DELETE**

[CJK 0070](#) - Investigations (1.77 credits)- **DELETE**

[CJK 0015](#) - Communications (2.57 credits)- **DELETE**

[CJK 0075](#) - Investigating Offenses (1.33 credits)- **DELETE**

[CJK 0020](#) - Law Enforcement Vehicle Operations (1.60 credits)

[CJK 0080](#) - Traffic Stops (2.07 credits)- **DELETE**

[CJK 0031](#) - First Aid for Criminal Justice Officers (1.33 credits)

[CJK 0085](#) - Traffic Crash Investigations (1.07 credits)- **DELETE**

[CJK 0040](#) - Firearms (2.93-3.47 credits)

[CJK 0090](#) - Tactical Applications (1.80 credits)- **DELETE**

[CJK 0050](#) - Criminal Justice Defensive Tactics (3.33 credits)- **DELETE**

[CJK 0095](#) - Criminal Justice Special Topics (0.67 credits)

*End of Program Sheet *

This is what the new program sheet should look like!

VOCATIONAL CREDIT CERTIFICATE
PROGRAM OF STUDY: LAW ENFORCEMENT OFFICER (57022)
EFFECTIVE TERM: Summer 2007 (2007-3)

I. GENERAL EDUCATION REQUIREMENTS

1. COMPLETION POINT - A (768.30 Contact Hours, 25.61 Credits)

[CJK 0007](#) - Introduction to Law Enforcement (0.36 credits) – **ADD**

[CJK 0071](#) – Criminal Investigations (1.86 credits)- **ADD**

[CJK 0008](#) - Legal (2.3 credits)- **ADD**

[CJK 0081](#) – Traffic Stops (1.6 credits)- **ADD**

[CJK 0017](#) - Communications (2.53 credits)- **ADD**

[CJK 0086](#) – Traffic Crash Investigations (1.06 credits)- **ADD**

[CJK 0011](#) – Human Issues (1.33 credits)- **ADD**

[CJK 0020](#) – CMS Law Enforcement Vehicle Operations (1.6 credit

[CJK 0061](#) – Patrol I (1.93 credits)- **ADD**

[CJK 0031](#) – CMS First Aid for Criminal Justice Officers (1.33 credit

[CJK 0062](#) – Patrol II (1.33 credits)- **ADD**

[CJK 0040](#) – CMS Criminal Justice Firearms (2.66 credits)

[CJK 0076](#) – Crime Scene Investigations (0.8 credits)- **ADD**

[CJK 0051](#) – CMS Criminal Justice Defensive Tactics (2.66 credits

[CJK 0422](#) – Dart-Firing Stun Gun (0.26 credits)

[CJK 0096](#) – Criminal Justice Officer Physical Fitness Training (2.0 c

* End of Program Sheet *

8. School of Nursing

Walter Mackey introduced Lessie Pryor who presented the increase of user fees for the practical nursing courses to support the remediation and the licensing exam for the students.

Practical Nursing Courses – User Fees

Change: \$ 65.00

To: \$ 170.00

Effective Term: 2008-1

Campus: 4

PRN 0003C Practical Nursing 1 – Fundamental

PRN 0202C Practical Nursing 2 Medical – Surgical

PRN 0203C Practical Nursing 3 Medical – Surgical

PRN 0120C Practical Nursing 4 Maternal – Child Health

PRN 0933C Practical Nursing 5 – Transition to Graduation

**UNANIMOUS
APPROVAL
27 IN FAVOR
0 OPPOSED**

9. Announcements

- Emily Sendin reminded CASSC members of the July meeting and to make sure if they were not going to be attending to find a substitute.
- Professor Sendin noted that she would be unable to be present for the July 2008 meeting and thanked her CASSC colleagues for their support during her year as Chair. Dr. Goonen thanked Professor Sendin for her service, and College CASCC applauded her.
- Walter Mackey introduced Carol Miller as the Interim Dean of Academic Affairs at the Medical Center Campus.
- Armando Ferrer announced that College-wide Open House was taking place on June 14 and asked CASSC members to encourage those students who were interested in attending MDC to attend. Also, to let students know they could still register for Summer B that started on June 23.
- On June 18 MDC and FIU held a Dual Degree meeting that took place at FIU
- Dr. Goonen announced that Walter Mackey was leaving MDC and thanked him for his service to the College and CASSC (2007-2008).