



OFFICE OF THE PRESIDENT

Item 7.1

PRESENT TO BOARD: DECEMBER 6, 2017

TO: SOUTH FLORIDA STATE COLLEGE
DISTRICT BOARD OF TRUSTEES

FROM: THOMAS C. LEITZEL 

SUBJECT: CURRICULUM PROPOSALS

Consideration of the following curriculum proposals is requested:

I. PROGRAM ADDITIONS

Request approval to offer five new college credit certificate programs designed to prepare students with manufacturing technical skills to be successful in today's rapidly changing high performance production and advanced manufacturing workforce. All CCC programs are part of the approved Engineering Technology AS degree and are part of the Title V HSI-STEM grant; effective Spring 2018 (201820).

- **Automation - CCC #3086 12 Credit Hours**
 - ETI 1843 Motors and Controls - 3 credit hours (New)
 - ETS 1535 Automated Process Control - 3 credit hours (New)
 - ETS 1542 Introduction to Programmable Logic Controllers - 3 credit hours (New)
 - ETS 2604 Robotics Applications - 3 credit hours (New)
- **CNC Machinist/Fabricator - CCC #3088 12 Credit Hours**
 - ETD 2364C Introduction to SOLIDWORKS - 3 credit hours (New)
 - ETI 1420 Manufacturing Processes and Materials - 3 credit hours (New)
 - PMT 1250C Computer Numerical Control (CNC) I - 3 credit hours (New)
 - PMT 2254C Computer Numerical Control (CNC) II - 3 credit hours (New)
- **Engineering Technology Support Specialist - CCC #3090 18 Credit Hours**
 - ETD 1320C Introduction to AutoCAD - 3 credit hours (New)
 - ETI 1110 Introduction to Quality Assurance - 3 credit hours (New)
 - ETI 1420 Manufacturing Processes and Materials - 3 credit hours (New)
 - ETI 1701 Industrial Safety (OSHA) - 3 credit hours

- ETI 1810C Introduction to Electricity and Electronics - 3 credit hours (New)
- ETM 1010C Mechanical Measurement and Instrumentation - 3 credit hours (New)
- **Lean Manufacturing - CCC #3092 12 Credit Hours**
 - ETI 1110 Introduction to Quality Assurance - 3 credit hours (New)
 - ETI 1622 Concepts of Lean and Six Sigma - 3 credit hours (New)
 - ETI 1644 Production and Inventory Control - 3 credit hours (New)
 - ETM 1010C Mechanical Measurement and Instrumentation - 3 credit hours (New)
- **Pneumatics, Hydraulics and Motors for Manufacturing - CCC #3096 12 Credit Hours**
 - ETI 1420 Manufacturing Processes and Materials - 3 credit hours (New)
 - ETI 1810C Introduction to Electricity and Electronics - 3 credit hours (New)
 - ETI 1843 Motors and Controls - 3 credit hours (New)
 - ETM 2315 Hydraulics and Pneumatics - 3 credit hours (New)

II. PROGRAM REVISIONS

Request approval to revise two network program course structures to make programs/courses more appropriate for online delivery and replace some courses with more appropriate courses. No change to program lengths; effective Fall 2018 (201910):

- **Network Systems Technology - AS #1740**
 - Replace CTS 1940 Network Security Internship with CET 2792 Microsoft Windows Server
 - Replace OST 1581 Professional Development in the Workplace with OST 2335 Business Communications
 - Replace CIS 2940 Network Systems Internship with CGS 1100C Introduction to Microcomputers using Windows
 - Add CET 2794 Microsoft Directory Services Second Spring Term
 - Remove SPC 2608 Fundamentals of Speech Communication (requirement being met within the curriculum)
 - Remove Digital Forensics Track
 - Change CTS 2142 IT Project Management credits from 3 to 2
 - Move ENC 1101 Freshman English I from First Fall Term to Second Fall Term
 - Move Humanities Elective from First Fall Term to Second Spring Term
 - Move Social Science Elective from First Fall Term to Second Fall Term
 - Move Mathematics or Science Elective from First Fall Term to Second Spring Term
 - Move CTS 1156 Desktop Support from First Spring Term to First Fall Term
 - Move COP 2170C Principles of Computer Programming First Spring Term to Second Spring Term
 - Move CTS 2142 IT Project Management from First Spring Term to First Summer Term
 - Move CGS 1061C Fundamentals of Computers from Network Security Track to First Fall Term
 - Move CET 1660C Computer Network Security from Network Security Track to First Spring Term

- Move CET 2930C Selected Topics in Computer Networking from Network Security Track to First Summer Term
- Move CET 1600C Cisco Networking Fundamentals from Network Security Track to First Fall Term
- Move CGS 1135C Introduction to Computer Forensics from Network Security Track to First Spring Term
- Move CIS 2358C Operating System Security from Network Security Track to First Fall Term
- Move CIS 2352C Ethical Hacking I from Network Security Track to Second Summer Term
- Move CIS 2359C Ethical Hacking II from Network Security Track to Second Summer Term
- **Network Security - CCC #3024**
 - Replace CET 2930C Selected Topics in Computer Networking with CET 2792 Microsoft Windows Server
 - Replace OST 1581 Professional Development in the Workplace with CET 2662C Security Testing and Auditing
 - Replace CTS 1940 Network Security Internship with CTS 1156 Desktop Support

III. PROGRAM DELETION

Request approval to delete following college credit certificate program. Deleting program due to low enrollment; no enrollment for past 3 terms, effective Spring 2018 (201820).

- **Help Desk Support Technician - CCC #3028**

SUGGESTED MOTION:

Move to approve the curriculum proposals as presented.

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