



May 16, 2016

MEMORANDUM

TO: District Board of Trustees
FROM: Jim Murdaugh, President 
SUBJECT: Academic Programs and Course Changes

Item Description

This item presents proposed changes in curriculum for 2016-2017

Overview and Background

The Academic Planning Committee Curriculum members review and make recommendations for Board approval for new programs and courses. Due to changes by the State Board of Education as well as the development of new programs to meet workforce demands, there are several new programs that are being proposed.

One of the proposed new programs include a PSAV program in Commercial Vehicle Driving which is currently one of the top 10 most advertised jobs. TCC is also proposing a College Credit Certificate in Business Entrepreneurship which will assist entrepreneurs to achieve success through an introduction to technology and skills that are necessary when starting a business venture. Additionally, the Business Entrepreneurship Certificate supports the creation of a spirit of entrepreneurship at TCC.

Past Actions by the Board

The Board approves the curriculum changes each year. The changes are for the 2016-2017 academic year.

Funding/Financial Implications

Curriculum changes require no new funding

Staff Resource

Feleccia Moore-Davis

Recommended Action

That the Board approves the recommendation for academic course and program changes for the 2016-2017 academic year as attached.

NEW PROGRAMS

PSAV Certificate in Commercial Vehicle Driving (320 clock hours)

This program is listed as one of the top 10 advertised jobs. According to labor market information, this targeted occupation reflects an annual growth of 1.67%. The entry level salary is approximately \$33,000.00. This program is Veteran-friendly and it leads to other logistic occupations.

Program Outline

TRA0080 Tractor Trailer Truck Driver (320)

PSAV Certificate in Welding Technology, Advanced (750 clock hours)

According to the Regional Employment Projections for Leon, Gadsden, and Wakulla counties, Welding has a 13.8% projected growth for the next 10 years. This program consists of four semester courses from the current PSAV Certificate program, and an additional three newly created courses. The program can be completed in two semesters and is suitable for students desiring advanced skills training. The proposed program is based on the State Board of Education revised Welding curriculum framework.

Program Outline

PMT0165 SMAW Pipe Welding (125)
PMT0174 Introduction to Pipe Fitting and Pipe Fabrication (125)
PMT0171 Gas Tungsten Arc Pipe Welding (125)
PMT0173 Gas Metal Arc Pipe Welding (125)
PMT0166 Heavy Wall Pipe Welding (125)
PMT0190 Emerging Technologies in Welding (125)

Certificate in Business Entrepreneurship (12 credit hours)

This program will help entrepreneurs achieve success in business through an introduction to technical information and skills that will be required when starting a business venture. The Entrepreneurship Certificate aligns with the President's vision to create a spirit of entrepreneurship at TCC. This program will be part of the Business Management, A.S. degree; it prepares for further education and a wide variety of careers in the Business career cluster.

Program Outline

Program Courses

SBM2000 Introduction to Entrepreneurship (3)
ACG2021 Financial Accounting (3)

Electives (choose two)

MAR2011 Principles of Marketing (3)
MAN2021 Introduction to Management (3)
GEB1011 Introduction to Business (3)
MNA2103 Business Communication (3)
MNA1161 Introduction to Customer Service (3)

Certificate in Network Enterprise Administration (29 credit hours)

The proposed program is part of the requirements for the NSF iNoVATE-X grant that prepares students for further education in the Information Technology career cluster. This project will increase the accessibility of technical education for rural and underserved Florida residents, with a focus on the skills needed to operate a modern data center. After students have completed this program of study, they will be eligible for a number of high-skill, high-wage, high-growth jobs, including Computer Network Architect, Computer Network Support Specialist, Computer Programmer, Computer Systems Analyst, Computer User Support Specialist, and Network and Computer Systems Administrator.

Program Outline

Program Courses

CGS1060	Computer and Internet Literacy (3)
CTS2351	Network Administration and Management (3)
CTS2352	Advanced Network Administration (6)
CTS1134	Networking and Telecommunication (3)
CTS1131	Microcomputer Architecture (3)
CET1600	Open System Architecture I (3)
CET1610	Open System Architecture II (3)
CNT2401	Introduction to Network Security (3)
	Any College Credit Course (2)

PROGRAM DELETIONS

Based on review of curriculum content and assessment and mandates by the State Board of Education in which some of the programs are being replaced by new degrees, the following program deletions are recommended:

- Early Childhood Development, Education and Management AS Degree (63 credit hours)
- Emergency Medical Technician Certificate (11 credit hours)
- Machining PSAV Certificate (1500 clock hours)
- Applied Welding Technologies PSAV Certificate (1170 clock hours)

PROGRAM CHANGES

A.S. Degree in Dental Hygiene (88 credit hours)- The proposed changes are based on a review of curriculum content and delivery methods in the Dental Hygiene program. Content of two courses were combined. Total credit hours for program completion have not changed.

- Delete this course: DES1020L Dental Anatomy Lab I (1)
- Add one (1) credit hour to this course: DES1020 Dental Anatomy

Certificate in Dental Assisting (12 credit hours + 960 clock hours) - The proposed changes are based on a review of curriculum content and delivery methods in the Dental Assisting program. Content of two courses were combined. Total credit hours for program completion have not changed.

Delete this course: DES1020L Dental Anatomy Lab I (1)
Add one (1) credit hour to this course: DES1020 Dental Anatomy

Certificate in Emergency Medical Technician (12 credit hours) - The proposed change is based on the State Board of Education mandated increase in total program hours from 11 to 12, and on a review of the program curriculum.

Add one (1) credit hour to this course: EMS1119 Emergency Medical Technician Lecture

A.S. Degree in Emergency Medical Services Technology (73 credit hours) - Proposed changes are to replace one program course, and increase credit hours in one program course and in the electives. The proposed changes are based on a review of the program curriculum and the State Board of Education mandated credit hour increase in the Emergency Medical Technician portion of A.S. degree. Total credit hours for program completion have not changed.

Delete this course: HSC2531 Medical Terminology (3)
Add this course: HCP1358 Medical Terminology (1)
Add one (1) credit hour to this course: EMS1119 Emergency Medical Technician Lecture
Program Electives

A.S. Degree in Early Childhood Development, Education and Management (60 credit hours) - This program replaces the current A.S. Degree program which included 63 credit hours. The proposed change is mandated by the State Board of Education to reduce A.S. Degrees to 60 credit hours in order to better align to A.A. Degree requirements and transferability to Baccalaureate programs.

Delete this course: Any core Social Science course (3)
Program Elective (3)
Add this course: EDF2085 Teaching Diverse Populations (3)
Add this course as an option: EDF1005 Introduction to Education (3)

PSAV Certificate in Machining Technologies (1500 clock hours) - This program replaces the current PSAV Certificate program. The proposed change is mandated by the State Board of Education update of the curriculum framework; total hours for program completion have not changed.

Delete this course: PMT0021 Machine Operator (450)
PMT0023 Machine Setup Operator (450)

Delete this course as an option: CGS1555 Internet (3)

Add this course: CIS2352 Ethical Hacking (3)
CTS2351 Network Administration (3)

NEW COURSES

Based on review of curriculum content and assessment and new program offerings, the following new courses are recommended.

PMT0022	Machinist Operator (300)
PMT0024	Machinist Setup Operator (600)
PMT0190	Emerging Technologies in Welding (125)
PMT0166	Heavy Wall Pipe Welding (125)
PMT0174	Introduction to Pipefitting and Pipe Fabrication (125)
CTS2352	Advanced Network Administration (6)
CIS2352	Ethical Hacking (3)
TRA0080	Tractor Trailer Truck Driver (320)

COURSE DELETIONS

Based on review of curriculum content and assessment the following course deletions are recommended.

HUM2740	Humanities Abroad I (3)
DES1020L	Dental Anatomy Lab (1)
PMT0021	Machine Operator (450)
PMT0023	Machine Setup Operator (450)
CGS1555	Internet (3)
CGS2560	Introduction to Operating Systems (3)
CTS2132	Microcomputer Architecture II (3)
SLS0003	Foundations of Student Development (1)

Based on State Board of Education Rule 6A-10.0331 which mandates courses not taught for five years to be deleted, following course deletions are recommended.

EMS2331C	Critical Care Air Transport (3)
ASH2041	China: Its History and Culture (3)
ASH1044	Introduction to Middle Eastern History and Civilization (3)
IDS2194	Florida: History, People, Politics (3)
AMH2070	Florida History (3)
MUN1340	Vocal Ensemble (1)

ENL2330 Introduction to Shakespeare (3)
ART1151C Introduction to Jewelry Making II (3)

COURSE CHANGES

NUR2260C Nursing Concepts II; *Course ID Change:* to NUR2222C; *Pre-Requisite Change:* to Admission to the Nursing program and all the following: NUR1020C, NUR1141, NUR1213C, NUR1440C, NUR1520C, MCB2004, MCB2004L; *Co-Requisite Change:* to NUR2142; *Catalog Description Change.* Changes based on review of course content and program sequence.

ART1202C Design I; *Course ID Change:* to ART1201C. *Name Change:* to 2D Foundations/ Design. Changes based on review of course content and level, and need to clarify the relationship of this course to the Graphic Design/ Fine Art Major.

ART2203C Introduction to Design II; *Course ID Change:* to ART1203C; *Name Change:* to 3D Foundations/Sculpture. Changes based on review of course content and level, and need to clarify the relationship of this course to the Graphic Design/ Fine Art Major.

ART1300C Drawing I; *Name Change:* to Drawing Foundations/ Drawing I. Change based on the need to clarify the relationship of this course to the Graphic Design/ Fine Art Major.

HUM2741 Humanities Abroad II; *Name Change:* to Humanities Abroad; *Pre-Requisite Change:* to grade of C or better in an approved section of HUM2020, or grade of C or better in HUM2210 or HUM2230, or a grade of C or better in ARH2050 or ARH2051; *Catalog Description Change.* Changes necessitated by previous reorganization of the Humanities General Education core, and deletion of HUM2740 from the Humanities program.

HUM2210 Humanities of the World: Prehistoric through Sixteenth Century; *Name Change:* to Humanities of the World: Prehistory through Sixteenth Century. Name change to correct grammatically incorrect title.

DES1020 Dental Anatomy; *Credit Hour Change:* from 2 to 3, *Contact Hour Change:* from 30 to 45; *Co-Requisite Change:* to none; *Content Change;* *Delivery Method Change;* *Catalog Description Change.* Changes based on review of content, accreditation standards and proposed deletion of lab course from program.

LIT2323 Multicultural Mythology; *Catalog Description Change.* Revision proposed to better reflect global emphasis of course content.

JOU2440L Literary Magazine Production; *Credit Hour Change:* from 2 to 3; *Catalog Description Change.* Change based on student demand and a review of course content and contact hours.

EMS1119 Emergency Medical Technician Lecture; *Credit Hour Change*: from 6 to 7; *Contact Hour Change*: from 90 to 105. Change based on state mandated increase in EMT program hours and curriculum review.

CTS1220C Microsoft Specialist: Word; *Catalog Description Change*. Revision proposed to better reflect course content and to remove language about graduation requirements.

CTS2225C Microsoft Specialist: Excel; *Catalog Description Change*. Revision proposed to better reflect course content and to remove language about graduation requirements.

CTS1230C Microsoft Specialist: PowerPoint; *Catalog Description Change*. Revision proposed to better reflect course content and to remove language about graduation requirements.

CTS2401C Microsoft Specialist: Access; *Catalog Description Change*. Revision proposed to better reflect course content and to remove language about graduation requirements.

PMT0020 Machinist Helper; *Co-Requisite Change*: to none; *Content Change*; *Catalog Description Change*. Changes based on review of course content and program sequence.

PMT0025 Machinist; *Pre-Requisite Change*: to PMT0020 Machinist Helper, PMT0022 Machinist Operator, PMT0024 Machinist Setup Operator; *Co-Requisite Change*: to none; *Content Change*; *Catalog Description Change*. Changes based on review of course content and program sequence.

PMT0106 Intro Oxygen Welding; *Name change* to Introduction and Oxyacetylene Welding

PMT0112 Advanced Oxygen Welding; *Name change* to Advanced Specialty Oxyacetylene Welding

PMT0121 Shield Metal Arc Welding; *Name change* to Shielded Metal Arc Welding

PMT0126 Advanced Shield Metal Arc Welding; *Name change* to Advanced Shielded Metal Arc Welding

PMT0164 Fabrication Metal Products; *Name change* to Fabrication of Metal Products Using Shielded Metal Arc Welding; *Clock Hour Change*: from 70 to 85. Changes based on revised curriculum framework.

PMT0122 Shielded Metal Arc Welding High Technology; *Name correction* to Shielded Metal Arc Welding High Technology Skills; *Clock Hour Change*: from 90 to 105. Changes based on revised curriculum framework.

PMT0130 Introduction to MIG; *Clock Hour Change*: from 35 to 65. Changes based on revised curriculum framework.

PMT0134 MIG Welding: *Clock Hour Change*: from 90 to 105. Changes based on revised curriculum framework.

PMT0145 GMAW Flux Core Arc Welding: *Clock Hour Change*: from 100 to 125. Change based on revised curriculum framework.

PMT0131 TIG Welding: *Clock Hour Change*: from 90 to 115. Change based on revised curriculum framework.

PMT0138 Specialty TIG: *Clock Hour Change*: from 85 to 110. Change based on revised curriculum framework.

PMT0165 SMAW Pipe Welding: *Clock Hour Change*: from 90 to 125; *Pre-Requisite Change* to None; *Co-Requisite Change*: to PMT0174 and PMT0171; *Catalog Description Change*. Changes based on inclusion in new program and revised content.

PMT0173 Gas Metal Arc Pipe Welding: *Clock Hour Change*: from 90 to 125; *Pre-Requisite Change* to PMT0000165, PMT0174 and PMT0171; *Co-Requisite Change*: to PMT0166 and PMT0190; *Catalog Description Change*. Changes based on inclusion in new program and revised content.

PMT0171 Gas Tungsten Arc Pipe Welding: *Clock Hour Change*: from 90 to 125; *Pre-Requisite Change* to none; *Co-Requisite Change* to PMT0165 and PMT0174; *Catalog Description Change*. Changes based on inclusion in new program and revised content.

CNT2401 Introduction to Network Security: *Pre-Requisite Change* to CGS1060. Change based on revised content in proposed pre-requisite course.

SBM2000 Small Business Management: *Name change* to Introduction to Entrepreneurship; *Content Change*; *Delivery Method Change*; *Catalog Description Change*. Changes based on review of content and inclusion in new program.