



June 16, 2014

MEMORANDUM

TO: District Board of Trustees
FROM: Jim Murdaugh, President *BRS*
SUBJECT: Academic Programs and Course Changes for 2014-2015

Item Description

This item presents additional proposed changes in curriculum for 2014-2015.

Overview and Background

The Academic Planning Committee Curriculum members review and make recommendations for Board approval for new programs and courses. Recommendations align with state policy, SACS accreditation standards, and the College's mission. The Committee presents the Board with the attached recommendations. The Board has the responsibility for approval and discontinuance of courses and programs in accordance with Florida state law.

The changes include new programs in Workforce Development such as a certificate in Air Conditioning, Refrigeration and Heating Technology. This program is proposed to be offered at the new Gadsden Center. Workforce Development is also proposing a certificate in Machining that will be part of TCC's Advanced Manufacturing Center. Additionally, the HealthCare Professions Division is proposing two new programs: Endoscopy Technician and Central Sterile Processing Technologies. Both programs are in response to community needs for certified medical equipment preparers.

Past Actions by the Board

The Board approved the majority of curriculum changes for the 2014-2015 academic year in May. These are in addition to those.

Funding/Financial Implications

No special expenses are requested at this time. All expenses and revenues will be addressed through the College's budget process.

Staff Resource

Barbara Sloan

Recommended Action

That the Board approve the recommendation for academic course and program changes for the 2014-2015 academic year as attached.

NEW PROGRAMS

PSAV Certificate in Air Conditioning, Refrigeration and Heating Technology

The program offers a sequence of five courses needed to prepare for careers in the HVAC field such as HVAC helper, mechanic assistants, mechanics or technicians. The program is aligned with industry recognized certificates provided by the National Center for Construction Education and Research (NCCER), and prepares students to successfully complete certifications including Environmental Protection Agency (EPA) testing, which is typically used for employability purposes. The regional 8 year employment growth projections indicate an increase in the total number of new openings of 177 (35.8%). The median wage is expected to be 18.64 per hour.

Program Outline for Air Conditioning, Refrigeration and Heating Technology PSAV (1350 clock hours):

ACR0041	A/C, Refrigeration and Heating Helper
ACR0043	A/C, Refrigeration and Heating Mechanic Assistant
ACR0047	A/C, Refrigeration and Heating Mechanic 1
ACR0049	A/C, Refrigeration and Heating Mechanic 2
ACR0044	A/C, Refrigeration and Heating Technician

PSAV Certificate in Machining

The program offers a sequence of six courses needed to prepare for further education and careers in the manufacturing career cluster. It includes the understanding of all aspects of the machining industry and prepares graduates for the following industry assessments: National Institute for Metalworking Skills (NIMS) Machining Level 1, Manufacturing Skills Standards Council (MSSC) Certified Production Technician exams, and OSHA 30-Hour for General Industry. Graduates will have the necessary skills to be classified as a Machinist. State of Florida 10 year employment growth projections indicate an increase from 8% to 22% with expected salaries of \$28,700 to \$32,200 in careers such as Machinist, Manufacturing Production Technician, CNC Machine Tool Programmer, CNC Tool Operator, and Tool and Die Maker.

Program Outline for Machining PSAV (1500 clock hours):

PMT0020	Machinist Helper
PMT0021	Machine Operator
PMT0023	Machine Setup Operator
PMT0025	Machinist

College Credit Certificate in Network Virtualization

This proposed technical certificate program is part of the new A.S. degree in Network Systems Technology. The program prepares for further education and a wide variety of careers in the Information Technology career cluster. Regional 8 year employment growth projections indicate an increase from 6.4% to 13.6% in associated careers such as Computer Network Support Specialist, Information Security Analyst and Computer Network Architect; with expected salaries (in the state) of \$20.20 to 35.33.

Program Outline for Network Virtualization Certificate (18 credit hours):

CGS1000	Introduction to Computer Technology or
CGS 1060	Computer and Internet Literacy or
CGS1555	Internet
CTS1131	Microcomputer Architecture I
CGS2560	Introduction to Operating Systems
CNT2401	Introduction to Network Security
CET2370	Network Virtualization
CTS2531	Network Administration and Management

College Credit Certificate in Network Infrastructure

This proposed technical certificate program is part of the new A.S. degree in Network Systems Technology. The program prepares for further education and a wide variety of careers in the Information Technology career cluster. Regional 8 year employment growth projections indicate an increase from 6.4% to 13.6% in associated careers such as Computer Network Support Specialist, Information Security Analyst and Computer Network Architect; with expected salaries (in the state) of \$20.20 to 35.33.

Program Outline for Network Infrastructure Certificate (21 credit hours):

CGS1000	Introduction to Computer Technology or
CGS 1060	Computer and Internet Literacy or
CGS1555	Internet
CET1600	Open System I
CET1610	Open System II
CET2615	Open System III
CET2620	Open System IV
CTS1131	Microcomputer Architecture I
CTS1134	Networking and Telecommunication

College Credit Certificate in Network Support Technician

This proposed technical certificate program is part of the new A.S. degree in Network Systems Technology. The program prepares for further education and a wide variety of careers in the Information Technology career cluster. Regional 8 year employment growth projections indicate an increase from 6.4% to 13.6% in associated careers such as Computer Network Support Specialist, Information Security Analyst and Computer Network Architect; with expected salaries (in the state) of \$20.20 to \$35.33

Program Outline for Network Support Technician Certificate (21 credit hours):

CGS1000	Introduction to Computer Technology or
CGS 1060	Computer and Internet Literacy or
CGS1555	Internet
CTS1131	Microcomputer Architecture I
CTS2132	Microcomputer Architecture II
CGS2560	Introduction to Operating Systems
CTS1134	Networking and Telecommunication
CET1600	Open System I
CET1610	Open System II

College Credit Certificate in Central Sterile Processing Technologist

The proposed certificate program enables students to become an integral member of the surgical team as Central Sterile Processing Technologists. Program graduates will be prepared to take the national certification exam through the International Association of Healthcare Central Services Material Management (IAHCSMM). The Florida Department of Economic Opportunity (DEO) projects the statewide need for Medical Equipment Preparers to grow by 12% for 2013-2021 and lists the 2013 average hourly wage in the region as \$13.53.

Program Outline for Central Sterile Processing Technologist Certificate (30 credit hours):

BSC1084C	Human Biology: Essentials of Anatomy and Physiology
HSC1538	Medical Terminology for Healthcare Professionals
HSC1000	Orientation to Perioperative Services
HSC1000L	Orientation to Perioperative Services Laboratory
HSC2520	Microbiology for Perioperative Services
STS2361	The Art of Teamwork in Surgery
STS2365	Professional Skills for the O.R. Team
HSC1434C	Central Processing Technology Theory, Lab and Clinical
STS1925C	Endoscopy Basics Theory and Lab

College Credit Certificate in Endoscopy Technician

This proposed certificate program educates students in the specialty of endoscopy and promotes knowledge based critical thinking in the safe practice of flexible and rigid endoscopy. Graduates will receive a certificate as an Endoscopic Technician and may choose to complete the requirements for certification as an associate with the Society of Gastroenterology Nurses and Associates, Inc. (SGNA). Graduates of the Central Sterile Processing Program can build on their knowledge to become Endoscopic Technicians by adding additional coursework. The Florida Department of Economic Opportunity (DEO) projects the statewide need for Healthcare Support Workers to grow by 7% for 2013-2021 and lists the 2013 average hourly wage in the region as \$18.35.

Program Outline for Endoscopy Technician Certificate (24 credit hours):

BSC1084C	Human Biology: Essentials of Anatomy and Physiology
HSC1538	Medical Terminology for Healthcare Professionals
HSC1000	Orientation to Perioperative Services
HSC1000L	Orientation to Perioperative Services Laboratory
HSC2520	Microbiology for Perioperative Services
STS2361	The Art of Teamwork in Surgery
STS2365	Professional Skills for the O.R. Team
STS1925C	Endoscopy Basics Theory and Lab
STS1926C	Endoscopy Technician Theory, Lab and Clinical

PROGRAM CHANGES

A.S. Degree in Health Science with Surgical Technology Specialty: Proposed name change to A.S. Degree in Health Science. Also, proposed are 3 tracks for the Health Science Degree. The total number of credit hours is not changing. Students will be allowed to choose an area of specialty and use the courses contained in each college credit certificate program related to the specialty to satisfy the AS degree requirements. The changes are based upon advisory board recommendations.

- Surgical Technology Specialty Track
- Central Sterile Processing Technologist Track
- Endoscopy Technician Track

NEW COURSES

Based on proposed PSAV programs and college credit certificate programs, the following new courses are recommended.

ACR0041	A/C, Refrigeration and Heating Helper
ACR0043	A/C, Refrigeration and Heating Mechanic Assistant
ACR0047	A/C, Refrigeration and Heating Mechanic 1
ACR0049	A/C, Refrigeration and Heating Mechanic 2
ACR0044	A/C, Refrigeration and Heating Technician
PMT0020	Machinist Helper
PMT0021	Machine Operator
PMT0023	Machine Setup Operator
PMT0025	Machinist
HSC1434C	Central Processing Technology Lecture, Lab and Clinical
STS1925C	Endoscopy Basics Theory and Lab
STS1926C	Endoscopy Technician Theory and Lab