




September 17, 2012

MEMORANDUM

TO: District Board of Trustees
FROM: Jim Murdaugh, President 
SUBJECT: New Academic Programs to Begin January 2013

Item Description

This item presents new programs proposed to begin this academic year.

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 A.S. in Environmental Science Technology is the first of the degrees to be offered as part of the Wakulla Environmental Institute and will begin in January 2013. The Surgical Technology Associate in Health Sciences degree was planned based on local demand as part of our expansion of Health Professions degrees and will begin in January 2013. The Critical Care Transport Certificate is offered based on local demand. It provides additional training for paramedics, nurses, and other A.S. or higher prepared health professionals who assist critical care patients in transport between facilities and will begin immediately. The Nursing Assistant program is currently offered as non-credit and will be moved to a clock hour certificate program.

Past Actions by the Board

The Board approves the majority of curriculum changes in the Spring each year but is asked to approve programs based on need. The two proposed Associate in Sciences degrees and the certificates within them have been previously shared as information items.

Funding/Financial Implications

The A.S. in Environmental Science Technology, the Critical Care Transport Certificate, and the nursing assistant program are being offered within current resources. The startup funds and initial two years of costs for the A.S. in Surgical Technology are being funded through the TCC Foundation. Continuation funds will be required by the third year and will be budgeted in the annual budgeting process.

Staff Resource

Barbara Sloan

Recommended Action

That the Board approve the recommendation for academic course and program additions to begin later this academic year.

PROPOSED NEW PROGRAMS FOR THE 2012-2013 ACADEMIC YEAR

Water Quality College Credit Certificate (12 credit hours)

- According to the 2012-2013 Targeted Occupation List for Gadsden, Leon, and Wakulla Counties, there is 2.3% positive growth. Occupations such as Water Quality and Water Treatment Operators earn a mean hourly wage of \$21.74. There is an average of 243 annual job openings in the state of Florida.

Environmental Science Technology Associate in Science Degree (64 credit hours)

- According to Florida Department of Economic Opportunity, Gadsden, Leon, and Wakulla counties are expecting a 3.98% growth for Environmental Engineering Technicians. Other occupations include Environmental Science Technicians who earn an average of \$18.00 per hour.

Critical Care Transport Advanced Technical Certificate (9 credit hours)

- According to the Florida Department of Economic Opportunity, the state of Florida projects a 1.64% positive growth. There is an average of 326 annual openings in the state of Florida.

Surgical Technology Associate in Health Sciences Degree (64 credit hours) and Surgical Technology Specialist College Credit Certificate (49 credit hours)

- According to the Florida Department of Economic Opportunity, the number of surgical technologists is expected to increase by 27% by the year 2018. Surgical technologists in Florida earn an average salary of \$36, 239. There is an average of 304 annual openings in the state of Florida. Surgical Technologist is also listed as one of the fastest-growing occupations.

NEW COURSES

The proposed new courses are in support of the development of the new programs.

PRN 0090 Nurse Assistant (120 clock hours)

Program Guide for College Credit Certificate in Water Quality (12 credit hours)

Program Courses (12 credit hours)

EVS 1026	Chemistry and Biology of Natural Waters (3) (new course)
EVR 1858	Environmental Regulation and Compliance (3) (new course)
EVR 2892	Environmental Sampling and Analysis I (3) (new course)
BSC 1050	Environmental Systems (3)

**Program Guide for Associate of Science Degree in Environmental Science Technology
(64 credit hours)**

General Education Courses (15 credit hours)

- ENC 1101 College Composition (3)
- BSC 1005 Introduction to Biology (3)
- Any General Education Humanities Course (3)
- Any General Education Mathematics Course (3)
- Any General Education Social Science Course (3)

Program Courses (29 credit hours)

- EVS 1026 Chemistry and Biology of Natural Waters (3) (new course)
- EVR 1858 Environmental Regulation and Compliance (3) (new course)
- EVR 2892 Environmental Sampling and Analysis I (3) (new course)
- BSC 1050 Environmental Systems (3)
- CHM 1030 General Chemistry for Allied Health (3)
- CHM 1030L General Chemistry for Allied Health Lab (1)
- SPC 1017 Fundamentals of Interpersonal Communication (3)
- ENC 2210 Technical Communications (3)
- ESC 1000 Earth and Its Environment (3)
- ESC 1000L Earth and Its Environment Lab (1) (new course)
- PHI 2600 Introduction to Ethics (3)

Program Electives (Select 20 credit hours)

- OCE 1001 Introduction to Oceanography (3)
- MET 1010 Meteorology (3)
- BOT 1000 Plant Science (3)
- EVR 1263 Urban Pollution (3) (new course)
- EPT 1501 Renewable Energy Resources, Energy Efficiency, and Conservation Methods (3)
- EVR 1328 Natural Resource Conservation and Management (3) (new course)
- EVR 1357 Wetland Resources (3) (new course)
- GLY 2160 Geology of National Parks (3)
- BSC 2250 Field Biology of Florida (3) (new course)
- SUR 2390 GIS Application in Engineering and Technology (3)
- IDS 2941 Internship Experience (2)

Program Guide for Critical Care Transport Advanced Technical Certificate (9 credit hours)

Program Courses (9 credit hours)

- EMS 2346 Critical Care Group Transport (6)
- EMS 2331 Critical Care Air Transport (3)

Program Guide for Surgical Technology Specialist College Credit Certificate (49 credit hours)

Program Courses (49 credit hours) (all new courses)

STS 1300	Surgical A&P with Medical Terminology (5)
HSC 1000	Orientation to Perioperative Services (3)
HSC 1000L	Orientation to Perioperative Services Lab (1)
HSC 2520	Microbiology for Perioperative Services (3)
STS 1302	Introduction to Surgical Technology (4)
STS 1302L	Introduction to Surgical Technology Lab & Clinical (2)
STS 1310	Surgical Techniques and Procedures (4)
STS 1310L	Surgical Techniques and Procedures Lab & Clinical (2)
STS 1340	Pharmacology & Anesthesia (2)
STS 2323	Surgical Procedures I (4)
STS 2323L	Surgical Procedures I Simulation Lab (2)
STS 2953	Surgical Technologist Portfolio I (1)
STS 2944	Surgical Technologist Clinical I (6.5/D) (3)
STS 2361	The Art of Teamwork in Surgery (1)
STS 2365	Professional Skills for the O.R. Team (1)
STS 2324	Surgical Procedures II (4)
STS 2324L	Surgical Procedures II Simulation Lab (2)
STS 2954	Surgical Technologist Portfolio II (2)
STS 2945	Surgical Technologist Clinical II (6.5/D) (3)

Program Guide for Surgical Technology Associate in Health Sciences Degree (64 credit hours)

General Education Courses (15 credit hours)

- ENC 1101 College Composition (3)
- Any General Education Science Course (3)
- Any General Education Humanities Course (3)
- Any General Education Mathematics Course (3)
- Any General Education Social Science Course (3)

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