

March 17, 2025

M E M O R A N D U M

TO: Jim Murdaugh, Ph.D.
President

FROM: Calandra Stringer, Ph.D.
Vice President and Provost

SUBJECT: Academic Curriculum Changes

Item Description

This item presents new programs, program changes, and new courses.

Overview and Background

The Academic Planning Committee members review and make recommendations for Board approval for new and revised curricula.

The College is proposing the Diagnostic Medical Sonography A.S. Degree. This program will provide students with a degree and industry certification to work as skilled clinicians who perform ultrasound studies. According to Florida's Department of Commerce, the program is projected to grow by 2.8% with a median hourly wage of \$36.

Additionally, the College is proposing an A.S. Degree in Emergency Administration and Management. This program will allow students to work as Emergency Management Directors and First Line Supervisors of Firefighting and Prevention. Students are projected to earn a median hourly wage of \$41 according to Florida's Department of Commerce.

The College is also recommending changes to several of the A.S. degree programs to add artificial intelligence courses to enhance student employability. Experience with emerging technology is an increasing demand in the job market. The addition of artificial intelligence courses will prepare students for jobs of the future as recommended by our local advisory boards.

Funding/ Financial Implications

None

Past Actions by the Board

The Board approved curricula revisions annually.

Recommended Action

Approve the proposed academic curriculum changes.

NEW PROGRAMS

Diagnostic Medical Sonography, A.S. (77 credit hours)

This program has a regional growth rate of 2.8% in Leon, Gadsden, and Wakulla as reported by the Florida Commerce. The median hourly wage is \$36 and the Tallahassee Chamber of Commerce is requesting this program to fill open vacancies for sonographers.

Program courses:

- ENC1101 College Composition (3)
- Humanities State Core (3)
- Math State Core (3)
- BSC2085 Anatomy and Physiology I (3)
- Social Science State Core Group 2 (3)
- PHY1020 Fundamentals of Physics (3)
- SON 1000L Introduction to Sonography 1 (1)
- SON 1001L Introduction to Sonography 2 (1)
- SON 1005L Basic Sonography (2)
- SON 1006L Professional Aspects of Sonograph (1)
- SON 1100L Principles of Protocols of Imaging (2)
- SON 1111C Abdominal Sonography 1 (2)
- SON 1112C Abdominal Sonography 2 (2)
- SON 1113L Sonography Cross Sectional Anatomy (2)
- SON 1115L Duplex Abdominal Sonography (1)
- SON 1121C Obstetrics/Gynecology Sonography 1 (2)
- SON 1122C Obstetrics/Gynecology Sonography 2 (2)
- SON 1141C Small Parts Sonography (2)
- SON 1145L Pediatric Sonography (1)
- SON 1804 Sonography Clinic 1 (2)
- SON 1814 Sonography Clinic 2 (2)
- SON 1824 Sonography Clinic 3 (3)
- SON 2139L Cardiovascular Principles (1)
- SON 2151C Neurosonography (2)
- SON 2400C Echocardiography 1 (2)
- SON 2401C Echocardiography 2 (2)
- SON 2614C Acoustical Physics and Instrumentation 1 (2)
- SON 2618C Acoustical Physics and Instrumentation 2 (2)
- SON 2619C Doppler Principles and Instrumentation (2)
- SON 2834 Sonography Clinic 4 (2)
- SON 2844 Sonography Clinic 5 (3)
- SON 2854 Sonography Clinic 6 (3)
- SON 2930L Seminar in Sonography (1)
- SON 2935L Diagnostic Ultrasound Imaging: Advanced Techniques and Case Analysis (1)
- BSC2085L Anatomy and Physiology I Lab (1)
- BSC2086 Anatomy and Physiology II (3)
- BSC2086L Anatomy and Physiology II Lab (1)
- HSC2531 Medical Terminology (3)

Emergency Administration and Management, A.S. (60 credit hours)

This program has a regional growth rate of 2.8% in Leon, Gadsden, and Wakulla as reported by the Florida Commerce. The median hourly wage is \$41. This program is being requested by the College's Florida Public Safety Institution in collaboration with the state and local emergency management agencies.

Program courses:

ENC1101 College Composition (3)
Humanities State Core (3)
Math State Core (3)
Natural Science State Core (3)
Social Science State Core Group 2 (3)
PHI2600 Ethics (3)
FFP1505 Fire Prevention (3)
FFP1109 Fire Department Occupational Safety and Health (3)
FFP2881 Emergency Management Leadership and Administration (3)
DSC1004 Introduction to the NRF and NIMS (3)
CCJ2358 Capstone: Criminal Justice Report Writing (3)
FFP2120 Building Construction for the Fire Service (3)
FFP2840 Disaster Recovery Operations (3)
DSC1002 Domestic and International Terrorism (3)
DSC1631 Terrorism Response Planning (3)
FFP1830 Introduction to Hazards (3)
FFP2800 Emergency Management Public Education Programs (3)
FFP2801 Fundamentals of Emergency Management (3)
DSC1552 Critical Infrastructure Protection (3)
FFP2841 Contingency Planning for Business and Industry (3)

PROGRAM CHANGES

Accounting Technology, A.S. (60 credit hours)

This program change will allow students to be prepared for emerging technology as recommended by the advisory board.

Delete program course:

ISM2200 Applied Business Analytics (3)

Add program course:

GEB1432 Applied Artificial Intelligence in Business (3)

Business Management, A.S. (60 credit hours)

This program change will allow students to be prepared for emerging technology as recommended by the advisory board.

Delete program course:

MNA1161 Introduction to Customer Service (3)

Add program course:

GEB1432 Applied Artificial Intelligence in Business (3)

Add to elective courses:

MNA1161 Introduction to Customer Service (3)

Supply Chain Management, A.S. (60 credit hours)

This program change will allow students to be prepared for emerging technology as recommended by the advisory board.

Delete program course:

MAR2011 Principles of Marketing (3)

Add program course:

GEB1432 Applied Artificial Intelligence in Business (3)

Computer Information Technology, A.S. (60 credit hours)

This program change will allow students to be prepared for emerging technology as recommended by the advisory board.

Add program course:

Add to the any college-credit course as options:

PHI2680 Artificial Intelligence and Ethics (3)

CAI1001C Artificial Intelligence (AI) Thinking (3)

Computer Programming and Web Development, A.S. (60 credit hours)

This program change will allow students to be prepared for emerging technology as recommended by the advisory board.

Delete program course:

CET2620 The Internet of Things (3)

COP2360 Introduction of C# Programming (3)

Add program course:

PHI2680 Artificial Intelligence and Ethics (3)

CAI1001C Artificial Intelligence (AI) Thinking (3)

Cyber Security, A.S. (60 credit hours)

This program change will allow students to be prepared for emerging technology as recommended by the advisory board.

Delete program course:

CET2620 The Internet of Things (3)
CCJ1600 Deviant Behavior (3)

Add program course:

PHI2680 Artificial Intelligence and Ethics (3)
CAI1001C Artificial Intelligence (AI) Thinking (3)

Network Systems Technology, A.S. (60 credit hours)

This program change will allow students to be prepared for emerging technology as recommended by the advisory board.

Delete program course:

CET2620 The Internet of Things (3)

Add program course:

CAI1001C Artificial Intelligence (AI) Thinking (3)

Add to elective courses:

PHI2680 Artificial Intelligence and Ethics (3)

NEW COURSES

Course ID	Course Name	Rationale for New Course	Proposed Lab Fee
SON1000L	Introduction to Sonography 1	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1001L	Introduction to Sonography 2	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1005L	Basic Sonography	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1006L	Professional Aspects of Sonograph	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1100L	Principles of Protocols of Imaging	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1111C	Abdominal Sonography 1	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1112C	Abdominal Sonography 2	Part of the new Diagnostic Medical Sonography, A.S.	TBD

SON1113L	Sonography Cross Sectional Anatomy	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1115L	Duplex Abdominal Sonography	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1121C	Obstetrics/Gynecology Sonography 1	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1122C	Obstetrics/Gynecology Sonography 2	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1141C	Small Parts Sonography	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1145L	Pediatric Sonography	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1804	Sonography Clinic 1	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1814	Sonography Clinic 2	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON1824	Sonography Clinic 3	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2139L	Cardiovascular Principles	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2151C	Neurosonography	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2400C	Echocardiography 1	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2401C	Echocardiography 2	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2614C	Acoustical Physics and Instrumentation 1	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2618C	Acoustical Physics and Instrumentation 2	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2619C	Doppler Principles and Instrumentation	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2834	Sonography Clinic 4	Part of the new Diagnostic Medical Sonography, A.S.	TBD

SON2844	Sonography Clinic 5	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2854	Sonography Clinic 6	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2930L	Seminar in Sonography	Part of the new Diagnostic Medical Sonography, A.S.	TBD
SON2935L	Diagnostic Ultrasound Imaging: Advanced Techniques and Case Analysis	Part of the new Diagnostic Medical Sonography, A.S.	TBD
FFP1505	Fire Prevention	Part of the new Emergency Administration and Management, A.S.	\$0
FFP1109	Fire Department Occupational Safety and Health	Part of the new Emergency Administration and Management, A.S.	\$0
FFP2881	Emergency Management Leadership and Administration	Part of the new Emergency Administration and Management, A.S.	\$0
DSC1004	Introduction to the NRF and NIMS	Part of the new Emergency Administration and Management, A.S.	\$0
CCJ2358	Capstone: Criminal Justice Report Writing	Part of the new Emergency Administration and Management, A.S.	\$0
FFP2120	Building Construction for the Fire Service	Part of the new Emergency Administration and Management, A.S.	\$0
FFP2840	Disaster Recovery Operations	Part of the new Emergency Administration and Management, A.S.	\$0
DSC1002	Domestic and International Terrorism	Part of the new Emergency Administration and Management, A.S.	\$0
DSC1631	Terrorism Response Planning	Part of the new Emergency Administration and Management, A.S.	\$0
FFP1830	Introduction to Hazards	Part of the new Emergency Administration and Management, A.S.	\$0

FFP2800	Emergency Management Public Education Programs	Part of the new Emergency Administration and Management, A.S.	\$0
FFP2801	Fundamentals of Emergency Management	Part of the new Emergency Administration and Management, A.S.	\$0
DSC1552	Critical Infrastructure Protection	Part of the new Emergency Administration and Management, A.S.	\$0
FFP2841	Contingency Planning for Business and Industry	Part of the new Emergency Administration and Management, A.S.	\$0