



June 21, 2021

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 proposed new courses and course changes.

Overview and Background

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

The college is proposing to revise several Computer Programming, Network Security, and Cybersecurity college credit certificates and degrees. Due to technology and programming languages constantly evolving, the college is updating course requirements and elective options based on recommendations from local employers. TCC is also proposing to revise the Early Childhood Education A.S. degree due to Florida State Board of Education updating requirements for students entering the teaching profession.

Funding/ Financial Implications

None

Past Actions by the Board

The Board approves the program revisions, program deletions, new courses, and course changes each year.

Recommended Action

That the Board approve the recommendation for the program revisions, program deletion, new courses, and course changes as attached.

PROGRAM CHANGES

Computer Programming and Analysis Certificate (33 credit hours)

Based on recommendations from local employers on the Computer Programming Advisory Board, TCC is proposing to add more elective course options to provide students with more opportunities to learn various programming languages. TCC is also proposing to require students to complete an introductory Python course to meet local industry needs.

Add program course:

COP 1000 Programming Concepts (3)

Add program electives:

COP 2360 Introduction to C# Programming (3)

COP 2840 Internet Programming (3)

Delete program course:

COP 2360 Introduction to C# Programming (3)

Computer Programming Specialist Certificate (18 credit hours)

Based on recommendations from local employers on the Computer Programming Advisory Board, TCC is proposing to add more elective course options to provide students with more opportunities to learn various programming languages.

Add program electives:

COP2360 Introduction to C# Programming (3)

COP2840 Internet Programming (3)

COP2830 Scripting for the Web (3)

COP2805 Java Programming II (3)

Delete program courses:

CGS 1060 Computer and Internet Literacy (3)

COP 2360 Introduction to C# Programming (3)

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

Based on recommendations from local employers on the Computer Programming Advisory Board, TCC is proposing to changes to the program course requirements and elective options to provide more programming content as well as computer security content.

Add program courses:

COP 2221 Intermediate Programming C++ (3)

CNT 2401 Introduction to Network Security (3)

Delete program courses:

CGS 1000 Introduction to Computer Technology (3)

CGS 1060 Computer and Internet Literacy (3)

Add Program electives:

Option 1

Any college-level course (3)

Option 2
CGS1520 Introduction to Multimedia Design (3)
PGY 2801C Photoshop (3)

Delete Program electives:

Option 1
COP2221 Intermediate Programming with C++ (3)

Option 2
CNT2401 Introduction to Network Security (3)
COP2221 Intermediate Programming with C++ (3)

Early Childhood Development, Education and Management, A.S. (60 credit hours)

Based on new education requirements approved by Florida's State Board of Education, TCC is proposing to changes to the program course requirements. Intro to Technology is no longer a state requirement and Personal Finance is being removed as optional course to allow for the state required Intro to Education course. Due to recommendations by the Early Childhood Advisory Board, TCC is also proposing to add Psychology as a required course.

Add General Education course:

PSY 2012 General Psychology (3)

Delete Program courses:

EME 2040 Introduction to Technology for Educators (3)
FIN 1100 Personal Finance (3)

Radiologic Technology, A.S. (77 credit hours)

Based on recommendations the Joint Review Committee on Education in Radiologic Technology (JRCERT) Accreditation Standards, TCC is proposing to changes to align with the updated accreditation standards.

Add Program courses:

RTE 1000 Introduction to Diagnostic Imaging (2)
RTE 1111C Introduction to Patient Care (2)
RTE 2563 Advanced Medical Imaging (3)
RTE 2762 Sectional Anatomy (3)
HSC 2531 Medical Terminology (3)

Delete Program course:

RTE 1000 Orientation to Radiography (4)
RTE 2931 Radiographic Image Analysis II (3)
RTE 1613 Radiation Physics (3)
Computer level course (3)

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

Based on recommendations from the Cyber Security Advisory Board, TCC is proposing an additional course option to satisfy the introductory computer course requirement to accommodate students who move from the general AA degree into the A.S. program.

Add Program Course:

CGS 1060 Computer and Internet Literacy

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

Based on recommendations from the Network Security Advisory Board, TCC is proposing an additional course option to satisfy the introductory computer course requirement to accommodate students who move from the general AA degree into the A.S. program.

Add Program Course:

CGS 1060 Computer and Internet Literacy

Network Security Cyber Forensics Certificate (30 credit hours)

Based on recommendations from the Network Security Advisory Board, TCC is proposing an additional course option to satisfy the introductory computer course requirement to accommodate students who move from the general AA degree into the A.S. program.

Add Program Course:

CGS 1060 Computer and Internet Literacy

PROGRAM DELETION

The following program is recommended for deletion due to the Florida College System's Career and Technical Education Audit to ensure programs are meeting local workforce employment needs.

Digital Media/Multimedia Certificate (6364)

NEW COURSES

Course ID	Course Name	Rationale for New Course
CGS 2518	Spreadsheets for Business	This new course will allow TCC students planning to major in business at FSU to satisfy a new FSU graduation requirement prior to transferring to FSU.
RMI 2302	Risk in Business and Society	This new course will allow TCC students planning to major in business at FSU to satisfy a new FSU graduation requirement prior to transferring to FSU.
RTE 1111C	Introduction to Patient Care	This new course will meet updated requirements of the Radiologic Technology Program with current

		Joint Review Committee on Education in Radiologic Technology (JRCERT) Accreditation Standards.
RTE 2563	Advanced Medical Imaging	This new course will meet updated requirements of the Radiologic Technology Program with current Joint Review Committee on Education in Radiologic Technology (JRCERT) Accreditation Standards.
RTE 2762	Sectional Anatomy	This new course will meet updated requirements of the Radiologic Technology Program with current Joint Review Committee on Education in Radiologic Technology (JRCERT) Accreditation Standards.
MAD 1100	Discrete Mathematics for Computer Science	This course will serve both students going into the Information Technology field or transferring to a University in the IT area.
MKA 2701	Visual Informatics	This new course will be part of the Business Analyst Micro-credential.
ISM 2200	Applied Business Analytics	This new course will be part of the Business Analyst Micro-credential.
GEB 2100	Introduction to Business Analytics	This new course will be part of the Business Analyst Micro-credential.

COURSE REVISIONS

Course ID	Course Name	Type of Change	Current	Proposed	Rationale for Change
COP 2220	Introduction to C++ Programming	Pre-requisite	MAT1033 and documented exemption, appropriate placement test scores or completion of developmental education reading.	Documented exemption, appropriate placement test scores or completion of developmental education reading, writing and mathematics.	The proposed change will remove barriers for students registering for the course.
COP 2360	Introduction to C# Programming	Pre-requisite	COP 1332	COP 2220	The proposed change will remove barriers for students registering for the course.
CET 2620	Internet of Things	Pre-requisite	CET 2615	CGS 1000	The replacement prerequisite is the most basic prerequisite for all other

					networking and cyber courses.
RTE 1000	Orientation to Radiology	Title and Credit Hours	Title: Orientation to Radiology Credit hours: 4	Title: Introduction to Diagnostic Imaging Credit hours: 2	This course revision will meet updated requirements of the Radiologic Technology Program with current Joint Review Committee on Education in Radiologic Technology (JRCERT) Accreditation Standards.
ENC 2210	Technical Communication	Pre-requisite	ENC 1101	None	The proposed change will remove barriers for students registering for the course.
SPC 2512	Introduction to Parliamentary Debate	Title	Introduction to Parliamentary Debate	Introduction to Intercollegiate Debate	The proposed change gives the ability to instruct in other forms of debate and provides more diversity to meet student interests.
CGS 2540	Database Concepts	Pre-requisite	Satisfactory completion of any college-level mathematics course.	Documented exemption, appropriate placement test scores or completion of developmental education reading, writing and mathematics.	The proposed change will remove barriers for students registering for the course.
CNT 2401	Introduction to Internet Security	Pre-requisite	CGS 1000	CGS 1000 or CGS 1060	The proposed change will remove barriers for students registering for the course.

CTS 2311	Introduction to Linux	Pre-requisite	CGS 1000	CGS 1000 or CGS 1060	The proposed change will remove barriers for students registering for the course.
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COURSE DELETIONS

Course ID	Course Name	Rationale for Course Deletion
ANT 2211	Peoples of the World	This course is recommended for deletion based on low enrollment.
CTS 2155	Computer User Support	This course is recommended for deletion based on low enrollment.
BSC 1050	Environmental Studies	This course is recommended for deletion and is no longer offered.
GEO 1400	Intro to Human Geography	This course is recommended for deletion and is no longer offered.
HSC 2400	First Aid	This course is recommended for deletion and is no longer offered.