

June 15, 2026

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 revisions, new courses, course revisions and course deletions.

Overview and Background

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

The College is proposing to add a Project Management Associate Certificate that students can complete in one semester to allow students to earn the Project Management Ready certification and gain experience in project management. This proposed program has been developed in partnership with Florida Digital Services to create a future ready talent pipeline of students with an entry level project management certification. According to Florida Commerce, there is an 11.4% projected growth with 900 job openings annually in Leon, Gadsden, and Wakulla counties with an average of \$39.78 per hour.

The College is also proposing to add an Electricity career certificate for students enrolled in the Electrical Apprenticeship program. According to Florida Commerce, there is a 16.4% projected growth with 836 job openings annually in Leon, Gadsden, and Wakulla counties with an average wage of \$26.00 per hour. Additionally, there are proposed changes to several career certificate programs required by Florida's State Board of Education based on a state-wide annual review. There are also proposed changes to several of the A.S. degree programs to add artificial intelligence and modernize the curriculum to enhance student employability.

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

Project Management Associate Certificate (12 credit hours)

The proposed program is based on a partnership with Florida Digital Service to develop a project management talent pipeline based on Florida's Program Management and Oversight Pipeline Initiative. There is 11.4% projected growth with 900 job openings for Project Management Specialists in Leon, Gadsden, and Wakulla with an average wage of \$39.78 per hour.

Program courses:

- MNA1032 Principles of Project Management (3)
- MNA1033 Organizational Behavior for Project Teams (3)
- MNA1035 Introduction to Project Planning (3)
- GEB1011 Introduction to Business (3)

Electricity I Career Certificate (750 clock hours)

The proposed program is to provide a pathway for dual-enrolled students to pursue the electrical apprenticeship program and receive high school credit aligns with the existing program requirements for the Electrical Apprenticeship program. There is a 16.4% projected growth with 836 job openings in Leon Gadsde, and Wakulla with an average wage of \$26.00 per hour.

Program courses:

- BCV0603 Electrician Helper (300)
- BCV0640 Residential Electrician (450)

PROGRAM CHANGES

Data Science Technology (60 credit hours)

This proposed revision is to align the program with future ready skills for various careers that utilize data science based on feedback from the advisory board.

Delete program courses:

- COP1000 Programming Concepts (3)
- CGS1060 Computer and Internet Literacy (3)
- CGS1309 Computer and Information Technology Concepts (3)
- CGS2517 Spreadsheets for Business (3)
- CTS2540 Introduction to Business Intelligence (3)

Add program courses:

- COP1047c Introduction to Python Programming (4)
- CGS2540 Database Concepts (3)
- CAP1788 Introduction to Data Analytics (4)
- CAP2704 SQL for Data Analytics (4)

Supply Chain Management (60 credit hours)

This proposed revision is to provide a discipline-specific ethical foundations course that is directly related to artificial intelligence, making it a more relevant and academically appropriate course for this program based on feedback from the advisory board.

Delete program course:
PHI2600 Ethics (3)

Add program course:
PHI2680 Artificial Intelligence and Ethics (3)

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

This proposed revision is to align with current professional standards and enhance clinical readiness to ensure the program remains consistent with current sonography practice based on feedback from the advisory board.

Delete program courses:
SON2151c Neurosonography (2)
SON2400c Echocardiography I (2)
SON2401c Echocardiography II (2)

Add program courses:
SON2450 Introduction to Vascular Ultrasound (2)
SON2431 Ultrasound of the Female Pelvis (2)
SON2442 Breast Ultrasound (2)

Electrical Apprenticeship Career Certificate (9,440 clock hours)

The proposed revision is based on requirements from Florida' State Board of Education.

Current program clock hours:
9,440 clock hours

Proposed program clock hours:
8,720 clock hours

Applied Cybersecurity Career Certificate (750 clock hours)

The proposed revision is based on requirements from Florida' State Board of Education.

Delete program course:
CTS0018 Cybersecurity Associate (600)

Add program course:
CTS0010 Cybersecurity Foundations (300)
CTS0014 Applied Cyber Defense (300)

Medical Assisting Career Certificate (1,300 clock hours)

The proposed revision is based on requirements from Florida' State Board of Education.

Delete program courses:

HSC0003 Basic Healthcare Worker (90)
MEA0002 Introduction to Medical Assisting (250)
MEA0501 Medical Office Procedures (75)
MEA0581 Clinical Assisting (230)
MEA0530 Pharmacology for Medical Assisting (90)
MEA0573 Laboratory Procedures (125)
MEA0506 Administrative Office Procedures (90)

Add program courses:

MEA0003 Introduction to Medical Assisting and Pharmacology (250)
MEA0502 Introduction to Medical Office Procedures (100)
MEA0574 Laboratory Procedures (80)
MEA0584 Clinical Assisting (130)
MEA0943 Practicum Experience (190)

Current program clock hours:

1,300 clock hours

Proposed program clock hours:

900 clock hours

Patient Care Technician Career Certificate (1,300 clock hours)

The proposed revision is based on requirements from Florida' State Board of Education.

Delete program courses:

HSC0003 Basic Healthcare Worker (90)
HCP0121 Nurse Aide and Orderly (Articulated) (75)
HCP0332 Advanced Home Health Aide (50)
HCP0020 Patient Care Assistant (75)
HSC0016 Allied Health Assistant (150)
MEA0580 Advanced Allied Health Assistant (100)
PRN0094 Patient Care Technician (60)

Add program courses:

HCP0124 Nurse Assistant (165)
HCP0333 Accelerated Home Health Aide (25)
HCP0021 Patient Care Assistant (45)
HSC0012 Allied Health Assistant (100)
MEA0585 Advanced Allied Health Assistant (200)
PRN0095 Patient Care Technician (65)

NEW COURSES

Course ID	Course Name	Rationale for New Course	Proposed Lab Fee
MNA1032	Principles of Project Management	The course is part of the proposed Project Management Associate Certificate.	\$0
MNA1033	Organizational Behavior for Project Teams	The course is part of the proposed Project Management Associate Certificate.	\$0
MNA1035	Introduction to Project Planning	The course is part of the proposed Project Management Associate Certificate.	\$0
SON2450	Introduction to Vascular Ultrasound	This course supports alignment with compliance standards.	\$0
SON2431	Ultrasound of the Female Pelvis	This course supports alignment with compliance standards.	\$0
SON2442	Sonography of the Breast	This course supports alignment with compliance standards.	\$0
BCV0603	Electrician Helper	This course is part of the new Electricity I career certificate.	\$0
BCV0640	Residential Electrician	This course is part of the new Electricity I career certificate.	\$0
CTS0010	Cybersecurity Foundations	This change is state mandated.	\$156
CTS0014	Applied Cyber Defense	This change is state mandated.	\$532
MEA0003	Introduction to Medical Assisting and Pharmacology	FLDOE curriculum framework change is state mandated.	\$244
MEA0502	Introduction to Medical Office Procedures	FLDOE curriculum framework change is state mandated.	\$42
MEA0574	Laboratory Procedures	FLDOE curriculum framework change is state mandated.	\$10
MEA0584	Clinical Assisting	FLDOE curriculum framework change is state mandated.	\$0
MEA0943	Practicum Experience	FLDOE curriculum framework change is state mandated.	\$269

HCP0124	Nurse Assistant	FLDOE curriculum framework change is state mandated.	\$264
HCP0333	Accelerated Home Health Aide	FLDOE curriculum framework change is state mandated.	\$165
HCP0021	Patient Care Assistant	FLDOE curriculum framework change is state mandated.	\$160
HSC0012	Allied Health Assistant	FLDOE curriculum framework change is state mandated.	\$626
MEA0585	Advanced Allied Health Assistant	FLDOE curriculum framework change is state mandated.	\$10
PRN0095	Patient Care Technician	FLDOE curriculum framework change is state mandated.	\$259

COURSE REVISIONS

Course ID	Course Name	Type of Change	Current	Proposed	Rationale for Change
CAP1788	Introduction to Data Analytics	Prerequisite	Prerequisite: None	Prerequisite: COP1047c Introduction to Python Programming	This prerequisite course is foundational for Python skills necessary for data analytics coursework.
CAP2704c	SQL for Data Analytics	Prerequisite	Prerequisite: None	Prerequisite: CGS2540 Database Concepts	The prerequisite ensures students are adequately prepared for the level of analytical SQL work expected in the course and reinforces a coherent, scaffolded program progression.
CAP2762	Introduction to Data Mining	Prerequisite	Prerequisite: CTS2450 Introduction to Business Intelligence	Prerequisite: CGS2540 Database Concepts	This change improves prerequisite alignment and supports a more logical and technically

					grounded course progression.
CTS2455	Data Modeling and Logical Design	Prerequisite	Prerequisite: CTS2433 SQL Database Design and Programming	Prerequisite: CAP1788 Introduction to Data Analytics	The prerequisite change better reflects the relationship between course content areas, ensures students approach data modeling with a solid analytical foundation, and supports a more coherent program sequence overall.
IDC2114	Data Visualization Techniques	Prerequisite	Prerequisite: None	Prerequisite: CAP1788 Introduction to Data Analytics	The prerequisite covers an intermediate topic and promotes logical course flow for students; reflecting that visualization is a downstream step in the data analytics workflow.
CGS2100	Microcomputer Applications for Business	Prerequisite	Prerequisite: grade of C or better in MAT1033 or OST1324, or placed into MGF1130 or higher	Prerequisite: None	The course. CGS2100 is in multiple certificate programs that do not require those prerequisites.
CIS2598	Cybersecurity Capstone	Prerequisite	Prerequisite: Course, placement, or eligible exemption	Prerequisite: CIS2772 Cybersecurity Operation Fundamentals	This change ensures that students entering the capstone have foundational knowledge in cyber operations.

BCA0350	Electrical Apprenticeship I	Clock hour change	Clock hours: 180	Clock hours: 90	FLDOE required change.
BCA0351	Electrical Apprenticeship II	Clock hour change	Clock hours: 180	Clock hours: 90	FLDOE required change.
BCA0352	Electrical Apprenticeship III	Clock hour change	Clock hours: 180	Clock hours: 90	FLDOE required change.
BCA0353	Electrical Apprenticeship IV	Clock hour change	Clock hours: 180	Clock hours: 90	FLDOE required change.
BCA0354	Electrical Apprenticeship V	Clock hour change	Clock hours: 180	Clock hours: 90	FLDOE required change.
BCA0355	Electrical Apprenticeship VI	Clock hour change	Clock hours: 180	Clock hours: 90	FLDOE required change.
BCA0356	Electrical Apprenticeship VII	Clock hour change	Clock hours: 180	Clock hours: 90	FLDOE required change.
EDF4943	Student Internship	Prerequisite	Prerequisite: All program requirements	Prerequisite: successful completion of all program requirements and passing of the General Knowledge, Subject Area, and Professional Education FTCE exams.	This change ensures alignment with state expectations for teacher preparation and confirms that candidates have demonstrated the foundational knowledge and competencies necessary to succeed in a full-time classroom setting.
STA2122	Introduction to Applied Statistics	Course Description	Course Description: Topics in this course include probability distributions, hypothesis testing, confidence interval estimation,	Course Description: Topics in this course include probability distributions, hypothesis testing, confidence interval estimation,	The description change allows students to purchase a more economical graphing calculator.

			correlation, analysis of variance, and regression. A TI83 or graphing calculator with equivalent statistical features is required. Access to campus computer labs with Minitab statistics software or own license for Minitab is required.	correlation, analysis of variance, and regression. A TI83 or graphing calculator with equivalent statistical features is required. A statistical analysis software is required.	
--	--	--	--	---	--

COURSE DELETIONS

Course ID	Course Name	Rationale for Course Deletion
BCN2563	Building Systems and Management	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
ETM1600c	Automation and Controls Fundamentals	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
ETM1601c	HVAC Systems and Devices	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
ETM1602c	Automated Electrical Systems and Devices	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
ETM1603c	Automation and Controls Design through Commissioning	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
ETM2605c	Automation and Controls Integration	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
ETM2606c	EMCT Programming	The Energy Management and Controls Technology, A.S. program was deleted. The

		courses are only offered as part of this A.S. degree.
ETM2607c	Troubleshooting Automation and Controls Systems	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
ETM2608c	Automated Building Operations	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
ETM2609	Capstone in Energy Management and Controls Technology	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
ETM2942	Energy Management and Controls Technology Internship	The Energy Management and Controls Technology, A.S. program was deleted. The courses are only offered as part of this A.S. degree.
SON2151c	Neurosonography	Course is no longer offered in the program.
SON2400c	Echocardiography I	Course is no longer offered in the program.
SON2401c	Echocardiography II	Course is no longer offered in the program.
CTS0018	Cybersecurity Associate	FLDOE required change.
HSC0003	Basic Healthcare Worker	FLDOE required change.
MEA0002	Introduction to Medical Assisting	FLDOE required change.
MEA0501	Medical Office Procedures	FLDOE required change.
MEA0581	Clinical Assisting	FLDOE required change.
MEA0530	Pharmacology for Medical Assisting	FLDOE required change.
MEA0573	Laboratory Procedures	FLDOE required change.
MEA0506	Administrative Office Procedures	FLDOE required change.
MEA0942	Practicum Experience	FLDOE required change.
HSC0003	Basic Healthcare Worker	FLDOE required change.
HCP0121	Nurse Aide and Orderly (Articulated)	FLDOE required change.
HCP0332	Advanced Home Health Aide	FLDOE required change.
HCP0020	Patient Care Assistant	FLDOE required change.
HSC0016	Allied Health Assistant	FLDOE required change.
MEA0580	Advanced Allied Health Assistant	FLDOE required change.
PRN0094	Patient Care Technician	FLDOE required change.
CHM1032L	General Chemistry for Allied Health Laboratory	Course not taught for 5 years (6A-10.0331, F.A.C.)
ECO0001	Economics-Financial Literacy Lab	Course not taught for 5 years (6A-10.0331, F.A.C.)
POS1601	Foundations of the United States Constitution	Course not taught for 5 years (6A-10.0331, F.A.C.)
SYG2012	Global Issues	Course not taught for 5 years (6A-10.0331, F.A.C.)