



June 17, 2019

## MEMORANDUM

**TO:** District Board of Trustees  
**FROM:** Jim Murdaugh, President   
**SUBJECT:** Academic Curriculum Changes

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### Item Description

This item presents proposed new programs, program changes, new courses, new course fees, and course changes.

### Overview and Background

The Academic Planning Committee Curriculum members review and make recommendations for Board approval for new program and courses. 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 four new registered apprenticeship programs: (1) Electrician, (2) HVAC, (3) Pipefitter, and (4) Plumber. Registered apprenticeship programs enable employers to develop and apply industry standards to training programs that increase productivity and improve the quality of the workforce. Students will gain on-the-job training, related classroom instruction and guaranteed wage structures. The new programs also incorporate industry recognized certifications. The projected job growth is at least 9% with a median wage of approximately \$18.00 for each of the apprenticeship programs.

### Past Actions by the Board

The Board approves the new programs, program changes, new courses, new course fees, and course changes each year.

### Funding/Financial Implications

Curriculum changes require no new funding.

### Staff Resource

Madeline Pumariega

### Recommended Action

That the Board approves the recommendation for the curriculum changes as attached.

## **NEW PROGRAMS**

### **Electrical Apprenticeship (9,440 clock hours) (effective Fall 2019)**

TCC is proposing a registered apprenticeship through a non-joint apprenticeship program sponsor – Independent Electrical Contractors – Florida West Coast Chapter. This industry has significant demand in the Tallahassee area for electricians. This is a 4 year program with 8,000 on-the-job training hours and 1,440 classroom hours. According to the Department of Economic Opportunity, there is a 9.9% job growth for Gadsden, Leon, and Wakulla counties with a median hourly wage of \$19.30 for electricians.

#### Program Courses:

BCA0350	Electrical Apprenticeship I (180)
BCA0351	Electrical Apprenticeship (180)
BCA0358	Electrical Co-Op I (1000)
BCA0359	Electrical Co-Op II (1000)
BCA0352	Electrical Apprenticeship III (180)
BCA0353	Electrical Apprenticeship IV (180)
BCA0361	Electrical Co-Op III (1000)
BCA0362	Electrical Co-Op IV (1000)
BCA0354	Electrical Apprenticeship V (180)
BCA0355	Electrical Apprenticeship VI (180)
BCA0364	Electrical Co-Op V (1000)
BCA0365	Electrical Co-Op VI (1000)
BCA0356	Electrical Apprenticeship VII (180)
BCA0357	Electrical Apprenticeship VIII (180)
BCA0367	Electrical Co-Op VII (1000)
BCA0368	Electrical Co-Op VIII (1000)

### **Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC) Apprenticeship (11,494 clock hours) (effective Fall 2019)**

TCC is proposing a registered apprenticeship through a joint (union) apprenticeship program sponsor – United Association (UA). This industry has significant demand in the Tallahassee area for their apprentices. This is a 5 year program with 10,000 on-the-job training hours and 1,494 classroom hours. According to the Department of Economic Opportunity, there is a 15.4% employment growth for Gadsden, Leon, and Wakulla counties with a median hourly wage of \$18.28.

#### Program Courses:

ACR0940	HVAC Apprenticeship I (150)
ACR0941	HVAC Apprenticeship II (150)
ACR0930	HVAC Co-Op I (1000)
ACR0931	HVAC Co-Op II (1000)
ACR0942	HVAC Apprenticeship III (150)
ACR0943	HVAC Apprenticeship IV (150)

ACR0932	HVAC Co-Op III (1000)
ACR0933	HVAC Co-Op IV (1000)
ACR0944	HVAC Apprenticeship V (150)
ACR0945	HVAC Apprenticeship VI (150)
ACR0934	HVAC Co-Op V (1000)
ACR0935	HVAC Co-Op VI (1000)
ACR0946	HVAC Apprenticeship VII (150)
ACR0947	HVAC Apprenticeship VIII (150)
ACR0936	HVAC Co-Op VII (1000)
ACR0937	HVAC Co-Op VIII (1000)
ACR0948	HVAC Apprenticeship IX (147)
ACR0949	HVAC Apprenticeship X (147)
ACR0938	HVAC Co-Op IX (1000)
ACR0190	HVAC Co-Op X (1000)

Pipefitter Apprenticeship (11,336 clock hours) (effective Fall 2019)

TCC is proposing a registered apprenticeship through a joint (union) apprenticeship program sponsor – United Association (UA). This is a 5 year program with 10,000 on-the-job training hours and 1,336 classroom hours. According to the Department of Economic Opportunity, there is a 14.5% employment growth for Gadsden, Leon, and Wakulla counties with a median hourly wage of \$17.41.

Program Courses:

PTA0181	Pipefitters Apprenticeship I (134)
PTA0182	Pipefitters Apprenticeship II (134)
PTA0191	Pipefitters Co-Op I (1000)
PTA0192	Pipefitters Co-Op II (1000)
PTA0183	Pipefitters Apprenticeship III (134)
PTA0184	Pipefitters Apprenticeship IV (134)
PTA0193	Pipefitters Co-Op III (1000)
PTA0194	Pipefitters Co-Op IV (1000)
PTA0185	Pipefitters Apprenticeship V (134)
PTA0186	Pipefitters Apprenticeship VI (134)
PTA0195	Pipefitters Co-Op V (1000)
PTA0196	Pipefitters Co-Op VI (1000)
PTA0187	Pipefitters Apprenticeship VII (134)
PTA0188	Pipefitters Apprenticeship VIII (134)
PTA0197	Pipefitters Co-Op VII (1000)
PTA0198	Pipefitters Co-Op VIII (1000)
PTA0189	Pipefitters Apprenticeship IX (132)
PTA0180	Pipefitters Apprenticeship X (132)
PTA0199	Pipefitters Co-Op IX (1000)

PTA0190 Pipefitters Co-Op X (1000)

Plumbing Apprenticeship (11,440 clock hours) (effective Fall 2019)

TCC is proposing a registered apprenticeship through a joint (union) apprenticeship program sponsor – United Association (UA). This is a 5 year program with 10,000 on-the-job training hours and 1,336 classroom hours. According to the Department of Economic Opportunity, there is a 14.5% employment growth for Gadsden, Leon, and Wakulla counties with a median hourly wage of \$17.41.

Program Courses:

BCA0450	Plumbing Apprenticeship I (144)
BCA0451	Plumbing Apprenticeship II (144)
BCA0460	Plumbing Co-Op I (1000)
BCA0461	Plumbing Co-Op II (1000)
BCA0452	Plumbing Apprenticeship III (144)
BCA0453	Plumbing Apprenticeship IV (144)
BCA0462	Plumbing Co-Op III (1000)
BCA0463	Plumbing Co-Op IV (1000)
BCA0454	Plumbing Apprenticeship V (144)
BCA0455	Plumbing Apprenticeship VI (144)
BCA0464	Plumbing Co-Op V (1000)
BCA0465	Plumbing Co-Op VI (1000)
BCA0456	Plumbing Apprenticeship VII (144)
BCA0457	Plumbing Apprenticeship VIII (144)
BCA0466	Plumbing Co-Op VII (1000)
BCA0467	Plumbing Co-Op VIII (1000)
BCA0358	Plumbing Apprenticeship IX (144)
BCA0359	Plumbing Apprenticeship X (144)
BCA0370	Plumbing Co-Op IX (1000)
BCA0371	Plumbing Co-Op X (1000)

**PROGRAM CHANGES**

Associate of Arts Degree (60 credit hours) (effective Fall 2019)

To allow for more flexibility in choosing a Science requirement, TCC is proposing to remove the requirement of taking two science courses from different disciplines (i.e. biological, earth, and physical science). Students would be allowed to choose science courses that align with their chosen major within the required general education requirements.

Corrections Crossover: Correctional Probation to Corrections Career and Technical Certificate (238 clock hours) (effective Summer 2019)

Due to changes mandated by Florida's Department of Education curriculum framework committee, TCC is changing the length of the program as well as adding and deleting courses.

Program hours change from 250 clock hours to 238 clock hours.

Add this course:

CJK0310 Officer Safety (16)

Delete this course:

CJK0391 Officer Wellness (18)

CJK0287 Radio Communications and Searches (10)

Correctional Probation Crossover: Corrections to Correctional Probation Officer Career and Technical Certificate (194 clock hours) (effective Summer 2019)

Due to changes mandated by Florida's Department of Education curriculum framework committee, TCC is changing the length of the program as well as adding and deleting courses.

Program hours change from 250 clock hours to 194 clock hours.

Add this course:

CJK0260 Introduction to Corrections Probation (14)

CJK0264 Legal Foundations to Correctional Probation (40)

CJK0266 Intake and Orientation (24)

CJK0267 Caseload Management for Correctional Probation (32)

CJK0268 Supervision of Offenders (88)

CJK0269 Field Supervision (80)

Delete this course:

CJK0230 Correctional Crossover to Correctional Probation Legal and Communications (18)

CJK0231 Correctional Crossover to Correctional Probation Supervision (57)

CJK0232 Correctional Crossover to Correctional Probation Investigation (30)

CJK0276 Correctional Crossover to Correctional Probation Management Information Systems (27)

CJK0273 Correctional Crossover to CPO Supervision (40)

CJK0235 Correctional Crossover to Correctional Probation Officer Wellness (14)

Law Enforcement Officer to Corrections Officer Career and Technical Certificate (198 clock hours) (effective Summer 2019)

Due to changes mandated by Florida's Department of Education curriculum framework committee, TCC is changing the length of the program as well as adding and deleting courses.

Program hours change from 172 clock hours to 198 clock hours.

Add this course:

CJK0300 Introduction to Corrections (32)

CJK0305 Communications (40)

CJK0335 Responding to Incidents and Emergencies (16)

Delete this course:

CJK0200 Overview of Corrections (14)

CJK0205 Law Enforcement Crossover Responding to Incidents and Emergencies (12)

CJK0354 Law Enforcement Crossover to Correctional Officer Wellness (12)

CJK0392 Crossover Handgun (24)

**NEW COURSES**

Course ID	Course Name	Rationale for New Course
BCA0350	Electrical Apprenticeship I	New course for apprenticeship program
BCA0351	Electrical Apprenticeship II	New course for apprenticeship program
BCA0358	Electrical Co-Op I	New course for apprenticeship program
BCA0359	Electrical Co-Op II	New course for apprenticeship program
BCA0352	Electrical Apprenticeship III	New course for apprenticeship program
BCA0353	Electrical Apprenticeship IV	New course for apprenticeship program
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### **COURSE DELETION**

Course ID	Course Name	Rationale for Course Deletion
EVR1357	Wetland Resources	This course is recommended for deletion based on deletion of program

### **COURSE REVISION**

Course ID	Course Name	Type of Change	Current	Proposed	Rationale for Change
PHY2048	General Physics I	Change the pre-requisite	Pre-requisite: None Co-requisite: MAC2311	Pre-requisite: MAC2311 Co-requisite: None	The success rate is much higher for students who complete MAC2311 before taking PHY2048.