



LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

TO: Dr. Monty Sullivan
LCTCS President
THROUGH: Dr. René Cintrón
Chief Academic Affairs Officer
FROM: Dr. Adrienne Fontenot
Director of Adult Learning and Educational Programs
SUBJECT: Program Requests at Fletcher Technical Community College
DATE: 05/27/2019

APPROVED

LCTCS BOARD OF SUPERVISORS
6/12/19

FOR BOARD ACTION:

Recommendation: Staff recommends the Board approve the following program requests listed below.

Program Additions

- 1. Certificate of Technical Studies (CTS), HVAC Helper II (CIP 47.0201) with an IBC in EPA Section 608 HVAC Excellence Type II from HVAC Excellence/ESCO - 5 STARS
a. Career and Technical Certificate (CTC), HVAC Helper I (CIP 47.0201) with an IBC in HVAC Excellence Type I from HVAC Excellence/ESCO- 5 STARS
2. Career and Technical Certificate (CTC), Integrated Production Technologies (CIP 15.0903) with an IBC in OSHA 10 General Industry from the Occupational Safety and Health Administration- 4 STARS
3. Career and Technical Certificate (CTC), Apprentice Electrician (CIP 46.0302) with an IBC in NCCER Core from the National Center for Construction Education and Research- 4 STARS
4. Career and Technical Certificate (CTC), SMAW 3G-4G Pipe Welder (CIP 48.508) with an IBC in SMAW 4G Plate from American Welding Society (AWS)- 5 STARS
5. Career and Technical Certificate (CTC), SMAW Pipe Welder (CIP 48.508) with an IBC in SMAW 6G Pipe from American Welding Society (AWS) - 5 STARS
6. Career and Technical Certificate (CTC), FCAW Pipe Welder (CIP 48.508) with an IBC in FCAW Pipe 6G from American Welding Society (AWS) - 5 STARS
7. Career and Technical Certificate (CTC), TIG Pipe Welder (CIP 48.508) with an IBC in GTAW 6G Pipe from American Welding Society (AWS) - 5 STARS

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8. Career and Technical Certificate (CTC), 3G-4G FCAW Welder (CIP 48.508) with an IBC in FCAW 4G Plate from American Welding Society (AWS) - **5 STARS**
9. Career and Technical Certificate (CTC), Engine Repair Technician (CIP 47.0604) with an IBC in Engine Repair from Automotive Service Excellence (ASE)- **4 STARS**
10. Career and Technical Certificate (CTC), Engine Performance Technician (CIP 47.0604) with an IBC in Engine Performance Technician from Automotive Service Excellence (ASE) - **4 STARS**
11. Career and Technical Certificate (CTC), Electrical Technician (CIP 47.0604) with an IBC in Electrical Technician from Automotive Service Excellence (ASE) - **4 STARS**
12. Career and Technical Certificate (CTC), Transmission Technician (CIP 47.0604) with an IBC in Automatic Transmission and Transaxle from Automotive Service Excellence (ASE) - **4 STARS**
13. Career and Technical Certificate (CTC), Heating and Air Conditioning Technician (CIP 47.0604) with an IBC in Heating and Air Conditioning Technician from Automotive Service Excellence (ASE)- **4 STARS**
14. Career and Technical Certificate (CTC), Steering and Brakes Technician (CIP 47.0604) with an IBC in Steering and Suspension from Automotive Service Excellence (ASE) - **4 STARS**
15. Career and Technical Certificate (CTC) in Medical Clinical Assistant (CIP 51.0801) with an IBC in Certified Medical Assistant from National Healthcare Association – **3 STARS**

**Program Modifications**

16. Associate of Applied Science (AAS) Drafting and Design Technology (CIP 15.1301) - **5 STARS**
17. Associate of Applied Arts (AAS) Business Administration (CIP 22.0302) - **5 STARS**
  - a. Entrepreneurship concentration

**Program Deletions**

18. Technical Competency Area (TCA) Medical Coding Specialist (CIP 51.0707) - **4 STARS**
19. Technical Competency Area (TCA) General Clerk, Office Systems Technology (CIP 52.0401) - **4 STARS**
20. Technical Competency Area (TCA) Integrated Production Technologies (CIP 15.0903- **4 STARS**
21. Technical Competency Area (TCA) Engineering Aide I (CIP 15.1301) - **5 STARS**
22. Technical Competency Area (TCA) Apprentice Electrician (CIP 46.0302) - **5 STARS**
23. Technical Competency Area (TCA) Helper, Automotive (CIP 47.0604) - **4 STARS**



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24. Technical Competency Area (TCA) Engine Repair Technician (CIP 47.0604) - **4 STARS**
25. Technical Competency Area (TCA) Automatic Transmission and Transaxle Technician (CIP 47.0604) - **4 STARS**
26. Technical Competency Area (TCA) Manual Drive Train Technician (CIP 47.0604) - **4 STARS**
27. Technical Competency Area (TCA) (CIP 47.0604) Steering and Suspension Technician- **4 STARS**
28. Technical Competency Area (TCA) Brake Technician (CIP 47.0604) - **4 STARS**
29. Technical Competency Area (TCA) Electrical Technician (CIP 47.0604) - **4 STARS**
30. Technical Competency Area (TCA) A/C & Heating Technician (CIP 47.0604) - **4 STARS**
31. Technical Competency Area (TCA) Engine Performance Technician (CIP 47.0604) - **4 STARS**
32. Technical Competency Area (TCA) Helper, Marine Diesel (CIP 47.0605) - **4 STARS**
33. Technical Competency Area (TCA) Shop Hand (CIP 48.0501) - **5 STARS**
34. Technical Competency Area (TCA) Thermal Cutter (CIP 48.0508) - **5 STARS**
35. Technical Competency Area (TCA) SMAW Pipe Welder (CIP 48.0508) - **5 STARS**
36. Technical Competency Area (TCA) 3G-4G FCAW Welder (CIP 48.0508)- **5 STARS**
37. Technical Competency Area (TCA) FCAW Pipe Welder (CIP 48.0508) - **5 STARS**
38. Technical Competency Area (TCA) TIG Pipe Welder (CIP 48.0508) - **5 STARS**
39. Technical Competency Area (TCA) 3G-4G SMAW Welder (CIP 48.0508) - **5 STARS**
40. Technical Competency Area (TCA) EKG Technician (CIP 51.0902) - **5 STARS**
41. Technical Competency Area (TCA) Cardiovascular Clinical Medical Assistant (CIP 51.0901) - **4 STARS**
42. Technical Competency Area (TCA) Nurse Assistant (CIP 51.3901) - **5 STARS**
43. Technical Competency Area (TCA) General Clerk, Accounting (CIP 52.0302) - **5 STARS**
44. Technical Competency Area (TCA) General Clerk, Business (CIP 52.0401) - **5 STARS**



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**Background:** Fletcher Technical Community College is requesting to replace several Technical Competency Areas (TCAs) with Career and Technical Certificates (CTCs) per Board of Regents Academic Affairs Policy 2.15.

Fletcher Technical Community College is requesting to add a new concentration to the Associate of Applied Arts (AAS) Business Administration. The Entrepreneurship concentration will teach students the process of starting a new businesses or revitalizing and reorganizing existing endeavors.

Fletcher Technical Community College is requesting to modify the Drafting and Design Technology Program. Clock hours will change from 1365 to 930, and a Trigonometry course will be deleted.

**Fiscal Impact:** The administrative structure and allocation of departmental funds will be unchanged, unless otherwise noted.

**History of Prior Actions:** There is a history of modifying curriculum to meet student and industry needs.

**Benefits to the System:** The changes will ensure curriculum is aligned to industry needs and better able to prepare students for successful entry into the workforce.

Approved for Recommendation to the Board  
**Dr. Monty Sullivan**

6.12.19

Date



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Phone: 985-

May 10, 2019

Board of Supervisors  
The Louisiana Community and Technical College System  
265 South Foster Drive  
Baton Rouge, LA 70806

Attention: Rene Cintron, Ph. D., Chief Academic Affairs Office  
Subject: Termination of TCA's

Dear Dr. Cintron,

Fletcher Technical Community College is requesting permission to delete the following TCA's in order to comply with the Louisiana Board of Regents Academic Affairs Policy 2.15.

CRIN	POINT	TITLE	RATING
510707	TCA	MEDICAL CODING SPECIALIST	4
520401	TCA	GENERAL CLERK (OFFICE SYSTEMS TECHNOLOGY)	4
150903	TCA	INTO TO PRODUCTION TECHNOLOGIES	4
151301	TCA	ENGINEERING AIDE I	5
460302	TCA	APPRENTICE ELECTRICIAN	5
470604	TCA	HELPER (AUTOMOTIVE)	4
470604	TCA	ENGINE REPAIR TECHNICIAN	4
470604	TCA	AUTOMATIC TRANSMISSION AND TRANSAXLE TECHNICIAN	4
470604	TCA	MANUAL DRIVE TRAIN TECHNICIAN	4
470604	TCA	STEERING AND SUSPENSION TECHNICIAN	4
470604	TCA	BRAKE TECHNICIAN	4
470604	TCA	ELECTRICAL TECHNICIAN	4
470604	TCA	A/C & HEATING TECHNICIAN	4
470604	TCA	ENGINE PERFORMANCE TECHNICIAN	4
470605	TCA	HELPER (MARINE DIESEL)	4
480501	TCA	SHOP HAND	5
480508	TCA	THERMAL CUTTER	5
480508	TCA	SMAW Pipe Welder	5
480508	TCA	3G-4G FCAW Welder	5
480508	TCA	FCAW Pipe Welder	5
480508	TCA	TIG Pipe Welder	5
480508	TCA	3G-4G SMAW Welder	5
510902	TCA	EKG TECHNICIAN	5
510901	TCA	CARDIOVASCULAR CLINICAL MEDICAL ASSISTANT	4
513901	TCA	NURSE ASSISTANT	5
520302	TCA	GENERAL CLERK (ACCOUNTING)	4
520401	TCA	GENERAL CLERK (BUSINESS)	4

Please consider these items for submission to the Board agenda at the June 12, 2019 Board of Supervisors meeting.

Sincerely,

*Regina C. Verdin, Ed.D.*

Regina C. Verdin, Ed.D.  
 Vice Chancellor for Academic Affairs  
 Fletcher Technical Community College  
 Email: [regina.verdin@fletcher.edu](mailto:regina.verdin@fletcher.edu) | Ph: 985-448-5908

**FTCC Integrated Production Technologies - 05/17/2019**

<b>TYPE OF PROPOSED CHANGE :</b> Curriculum Modification			
<b>PROGRAM NAME :</b> Integrated Production Technologies			
<b>AWARD LEVEL(S)</b>			
<b>For Board of Regents and LCTCS Review:</b> Associate of Applied Science (A.A.S.)  <b>Name:</b>		<b>For LCTCS Review:</b> Technical Diploma (T.D.) Certificate of Technical Studies (C.T.S.) Career and Technical Certificate (C.T.C) TCA - For Archive Purpose Only	
<b>NAME OF PROGRAM(S) and AWARD LEVEL(S)</b>			
<b>Stars :</b> 4 Stars			
<b>Name:</b> Integrated Production Technologies		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 150903	<b>Credit Hours:</b> 63.00	<b>Contact Hours:</b> 0.00	Associate of Applied Science (A.A.S.)
<b>Stars :</b> 4 Stars			
<b>Name:</b> Production Helper		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 150903	<b>Credit Hours:</b> 21.00	<b>Contact Hours:</b> 0.00	Certificate of Technical Studies (C.T.S.)
<b>Stars :</b> 4 Stars			
<b>Name:</b> Introduction to Production Technologies		<b>Program Delivery Mode:</b> Standard	

**PROPOSED CHANGE**

a) For New Programs, state the purpose and objective; b) For Curriculum Modifications, state previous credit and clock hours; c) For Program Termination, state program and all award levels; d) For Curriculum Adoption, state the college from which curriculum is being adopted and the date it was approved by LCTCS.

Replacing TCA - Introduction to Production Technologies with CTC - Introduction to Production Technologies

**IMPLEMENTATION DATE  
(Semester and Year)**

Fall 2019

**HISTORY OF PRIOR ACTIONS**

Provide an overview of changes to this program.

None

**JUSTIFICATION FOR THE PROPOSED CHANGE**

Include support such as four-year university agreements, industry demand, advisory board information, etc.

LCTCS Requirement to delete TCAs and replace with CTCs

**SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION:** Main Campus

**QUALIFIED FACULTY (Check all that apply)**

**Use Existing Faculty: Yes**

# - Full Time: 0

# - Part Time: 0

**Hire Adjunct Faculty: No**

# - 0

**Hire Full-Time Faculty: No**

# - 0

**ADMINISTRATION and IMPLEMENTATION COSTS**

**Department :**

**How will this change affect the administrative structure and/or allocation of departmental funds in terms of:**

**Faculty :**

**Facilities :**

**Library Resources :**

**Support :**

**Related Fields :**

**Other :**

**MINIMUM CREDENTIALS REQUIRED FOR FACULTY**

**Education:** Masters

**Experience:** 5 yrs

**Certification:**





**BENEFITS TO THE SYSTEM**

**Discuss how this change will benefit your students, your community, and the LCTCS.**

**KEYWORDS**

**FTCC Medical Clinical Assistant - 05/17/2019**

<b>TYPE OF PROPOSED CHANGE :</b> Curriculum Modification			
<b>PROGRAM NAME :</b> Medical Clinical Assistant			
<b>AWARD LEVEL(S)</b>			
<b>For Board of Regents and LCTCS Review:</b>			
<b>Name:</b>  		<b>For LCTCS Review:</b> Technical Diploma (T.D.) Certificate of Technical Studies (C.T.S.) Career and Technical Certificate (C.T.C) TCA - For Archive Purpose Only	
<b>NAME OF PROGRAM(S) and AWARD LEVEL(S)</b>			
<b>Stars :</b> 3 Stars			
<b>Name:</b> Medical Clinical Assistant		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 51.0801	<b>Credit Hours:</b> 6.00	<b>Contact Hours:</b> 90.00	Career and Technical Certificate (C.T.C)
<b>IBC:</b> Certified Medical Assistant	<b>Issuing Body:</b> NHA	<b>Course Title:</b>	<b>Course Prefix:</b>
		<b>Course Awarded:</b>	<b>Course Credits:</b> 0.00
			<b>Number:</b> IBC Awarded upon Completion? :
<b>PROPOSED CHANGE</b>			
a) For New Programs, state the purpose and objective; b) For Curriculum Modifications, state previous credit and clock hours; c) For Program Termination, state program and all award levels; d) For Curriculum Adoption, state the college from which curriculum is being adopted and the date it was approved by LCTCS.			
Change in CIP code and name to correctly identify what is being taught and what the student is earning			
<b>IMPLEMENTATION DATE (Semester and Year)</b>	Fall 2019		
<b>HISTORY OF PRIOR ACTIONS</b>			
<b>Provide an overview of changes to this program.</b>			
March 2016 Approved by LCTCS Board of Supervisors			

**JUSTIFICATION FOR THE PROPOSED CHANGE****Include support such as four-year university agreements, industry demand, advisory board information, etc.**

Joint program held with Cardiovascular Institute of the South (CIS). Change in name and CIP correctly identifies the program and the credentials earned by the student.

**SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION:****QUALIFIED FACULTY (Check all that apply)****Use Existing Faculty: No**

# - Full Time: 0

# - Part Time: 0

**Hire Adjunct Faculty: No**

# - 0

**Hire Full-Time Faculty: No**

# - 0

**ADMINISTRATION and IMPLEMENTATION COSTS****Department :****How will this change affect the administrative structure and/or allocation of departmental funds in terms of:****Faculty :****Facilities :****Library Resources :****Support :****Related Fields :****Other :****MINIMUM CREDENTIALS REQUIRED FOR FACULTY****Education:** Associates**Experience:** Professional experience**Certification:****FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS****Department :****Describe how this change will affect the administrative structure and/or allocation of departmental funds in terms of faculty, facilities, support, and any other resources.****ANTICIPATED ENROLLMENT:**

<b>Students</b>	<b>Year One</b>	<b>Year Two</b>	<b>Year Three</b>	<b>Year Four</b>	<b>Year Five</b>
<b>DAY</b>					

<b>EVENING</b>					
<b>DISTANCE EDUCATION</b>	10	10	15	15	15

**Describe Process for Attaining & Estimating Enrollment:**

**PROGRAM ACCREDITATION:**

**Is Program Accreditation, Licensure or Certification Required?** No  
**Accreditation status:**

**Type/Name of Program Accreditation, Licensure or Certification Required:**

**DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)**

**PROGRAM CURRICULUM**  
 Use the template below or insert separate attachment. All modifications should include the OLD and NEW curriculum with changes appropriately noted so that it is visually clear what has been added, deleted and/or changed. Note if any special requirements, such as internships, are part of the curriculum. List all embedded IBCs. If you are adopting curriculum, you do not need to complete this section.

<b>Subject Code</b>	<b>Course Number</b>	<b>Course Title</b>	<b>Lecture Hours</b>	<b>Lab Hours</b>	<b>Contact Hours</b>	<b>Credit Hours</b>	<b>Clinical Hours</b>
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**BENEFITS TO THE SYSTEM**

**Discuss how this change will benefit your students, your community, and the LCTCS.**

**KEYWORDS**

**FTCC Drafting & Design Technology - 05/17/2019**

<b>TYPE OF PROPOSED CHANGE :</b> Curriculum Modification			
<b>PROGRAM NAME :</b> Drafting & Design Technology			
<b>AWARD LEVEL(S)</b>			
<b>For Board of Regents and LCTCS Review:</b>  Associate of Applied Science (A.A.S.)  <b>Name:</b>		<b>For LCTCS Review:</b>  Technical Diploma (T.D.)  Certificate of Technical Studies (C.T.S.)  Career and Technical Certificate (C.T.C.)  TCA - For Archive Purpose Only	
<b>NAME OF PROGRAM(S) and AWARD LEVEL(S)</b>			
<b>Stars :</b> 5 Stars			
<b>Name:</b> AAS-DDAS Drafting and Design Technology		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 15.1301	<b>Credit Hours:</b> 62.00	<b>Contact Hours:</b> 975.00	Associate of Applied Science (A.A.S.)
<b>Stars :</b> 5 Stars			
<b>Name:</b> TD-DDTC Drafting and Design Technology		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 15.1301	<b>Credit Hours:</b> 47.00	<b>Contact Hours:</b> 705.00	Technical Diploma (T.D.)
<b>Stars :</b> 5 Stars			
<b>Name:</b> CTS-DDEB Engineering Aide		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 15.1301	<b>Credit Hours:</b> 24.00	<b>Contact Hours:</b> 360.00	Certificate of Technical Studies (C.T.S.)

**IBC: ADDA Issuing Course Title: Course Course Credits IBC Mechanical Body: ADDA Advanced Prefix: DRFT**  
**Number: Awarded: Awarded**  
Apprentice Drafting 1210 6.00 **upon Completion?**  
:

**Name: CTS-DDEL Entry Level Drafter**

**Program Delivery Mode:**

CIP: 15.1301

Credit Hours: 35.00

Contact Hours: 525.00

Certificate of Technical  
Studies (C.T.S.)

**PROPOSED CHANGE**

a) For New Programs, state the purpose and objective; b) For Curriculum Modifications, state previous credit and clock hours; c) For Program Termination, state program and all award levels; d) For Curriculum Adoption, state the college from which curriculum is being adopted and the date it was approved by LCTCS.

Omit TCA, reduce credit hours and realign courses to industry requirements

**IMPLEMENTATION DATE**  
(Semester and Year)

Fall 2019

**HISTORY OF PRIOR ACTIONS**

Provide an overview of changes to this program.

None

**JUSTIFICATION FOR THE PROPOSED CHANGE**

Include support such as four-year university agreements, industry demand, advisory board information, etc.

Advisory board and BOR requirements to omit TCA

**SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION:**

**QUALIFIED FACULTY (Check all that apply)**

Use Existing Faculty: No

# - Full Time: 0

# - Part Time: 0

Hire Adjunct Faculty: No

# - 0

Hire Full-Time Faculty: No

# - 0

**ADMINISTRATION and IMPLEMENTATION COSTS**

Department :

How will this change affect the administrative structure and/or allocation of departmental funds in terms of:

Faculty :

Facilities :

Library Resources :



<b>Support :</b>	<b>Related Fields :</b>	<b>Other :</b>
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**ANTICIPATED ENROL MENT:**

<b>Students</b>	<b>Year One</b>	<b>Year Two</b>	<b>Year Three</b>	<b>Year Four</b>	<b>Year Five</b>
<b>DAY</b>					
<b>EVENING</b>					
<b>DISTANCE EDUCATION</b>					

**Describe Process for Attaining & Estimating Enrollment:**

**PROGRAM ACCREDITATION:**

<b>Is Program Accreditation, Licensure or Certification Required?</b>	Mandatory
	<b>Accreditation status:</b> Approved
<b>Type/Name of Program Accreditation, Licensure or Certification Required:</b>	ATMAE

**DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)**

**PROGRAM CURRICULUM**

Use the template below or insert separate attachment. All modifications should include the OLD and NEW curriculum with changes appropriately noted so that it is visually clear what has been added, deleted and/or changed. Note if any special requirements, such as internships, are part of the curriculum. List all embedded IBCs. If you are adopting curriculum, you do not need to complete this section.

**FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS**

**Department :** Academic Affairs

**Describe how this change will affect the administrative structure and/or allocation of departmental funds in terms of faculty, facilities, support, and any other resources.**

No change

**MINIMUM CREDENTIALS REQUIRED FOR FACULTY**

<b>Education:</b> Master's Degree	<b>Experience:</b> 5 years	<b>Certification:</b>
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Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours	Clinical Hours
<b>Program, Degree or Concentration:</b> AAS-DDAS Drafting & Design Technology						<b>Credit Hours:</b> 62.00	
<b>Semester:</b> First Semester						<b>Credit Hours:</b> 0.00	
MATH	1000/1100	College Mathematics/College Algebra	3.00	0.00	45.00	3.00	0.00
DRFT	1100	Drafting Fundamentals	6.00	0.00	90.00	6.00	0.00
CADD	1150	Introduction to CADD	3.00	0.00	45.00	3.00	0.00
<b>Semester:</b> Second Semester						<b>Credit Hours:</b> 0.00	
CPTR	1000	Introduction to Computers	3.00	0.00	45.00	3.00	0.00
DRFT	1210	Advanced Drafting	6.00	0.00	90.00	6.00	0.00
CADD	1250	Advanced CADD	3.00	0.00	45.00	3.00	0.00
<b>Semester:</b> Third Semester						<b>Credit Hours:</b>	

CADD	2150	Solid Modeling	6.00	0.00	90.00	6.00	0.00
DRFT	21XX	Advanced Disciplines	3.00	0.00	45.00	3.00	0.00
CLCR	2000	Career Preparation	2.00	0.00	30.00	2.00	0.00
<b>Semester: Fourth Semeser</b>					<input type="text"/>	<b>Credit Hours:</b>	
DRFT	21XX	Advanced Disciplines	3.00	0.00	45.00	3.00	0.00
DRFT	21XX	Advanced Disciplines	3.00	0.00	45.00	3.00	0.00
DRFT	21XX	Advanced Disciplines	3.00	0.00	45.00	3.00	0.00
<input type="text"/>	<input type="text"/>	Natural Science Elective	3.00	0.00	45.00	3.00	0.00
<b>Program, Degree or Concentration: TD Drafting &amp; Design Technician</b>					<input type="text"/>	<b>Credit Hours: 47.00</b>	
<b>Semester: Fifth Semester</b>					<input type="text"/>	<b>Credit Hours:</b>	
ENGL	1010	Composition I	3.00	0.00	45.00	3.00	0.00
PHSC	1000	Introduction to Physical Science I	3.00	0.00	45.00	3.00	0.00
SPCH	1200	Introduction to Public Speaking	3.00	0.00	45.00	3.00	0.00
<input type="text"/>	<input type="text"/>	Social Science Elective	3.00	0.00	45.00	3.00	0.00
<input type="text"/>	<input type="text"/>	Humanities Elective	3.00	0.00	45.00	3.00	0.00
<b>Program, Degree or Concentration: AAS-DDAS Drafting &amp; Design Technology</b>					<input type="text"/>	<b>Credit Hours: 62.00</b>	

<b>Program, Degree or Concentration: CTS-DEB Engineering Aide</b>					<input type="text"/>	<input type="text"/>	<b>Credit Hours: 24.00</b>
MATH	1000/1 100	College Algebra/ College Mathematics	3.00	0.00	0.00	3.00	0.00
DRFT	1100	Drafting Fundamentals	6.00	0.00	0.00	6.00	0.00
CADD	1150	Introduction to CADD	3.00	0.00	0.00	3.00	0.00
CPTR	1000	Introduction to Computers	3.00	0.00	0.00	3.00	0.00
DRFT	1210	Advanced Drafting	6.00	0.00	0.00	6.00	0.00
CADD	1250	Advanced CADD	3.00	0.00	0.00	3.00	0.00
<b>Program, Degree or Concentration: CTS-DDEL Entry Level Drafter</b>					<input type="text"/>	<input type="text"/>	<b>Credit Hours: 35.00</b>

MATH	1100/100	College Algebra/College Mathematics	3.00	0.00	0.00	3.00	0.00
DRFT	1100	Drafting Fundamentals	6.00	0.00	0.00	6.00	0.00
CADD	1150	Introduction to CADD	3.00	0.00	0.00	3.00	0.00
CPTR	1000	Introduction to Computers	3.00	0.00	0.00	3.00	0.00
DRFT	1210	Advanced Drafting	6.00	0.00	0.00	6.00	0.00
CADD	1250	Advanced CADD	3.00	0.00	0.00	3.00	0.00
CADD	2150	Solid Modeling	6.00	0.00	0.00	6.00	0.00
DRFT	21XX	Advanced Disciplines	3.00	0.00	0.00	3.00	0.00
CLCR	2000	Career Preparation	2.00	0.00	0.00	2.00	0.00

**BENEFITS TO THE SYSTEM**

**Discuss how this change will benefit your students, your community, and the LCTCS.**

**KEYWORDS**

**FTCC Business Administration: Entrepreneurship - 05/17/2019**

<b>TYPE OF PROPOSED CHANGE</b> : Curriculum Modification	
<b>PROGRAM NAME</b> : Business Administration: Entrepreneurship	
<b>AWARD LEVEL(S)</b>	
<b>For Board of Regents and LCTCS Review:</b>  Associate of Applied Science (A.A.S.)  <b>Name:</b>	<b>For LCTCS Review:</b>  Technical Diploma (T.D.)  Certificate of Technical Studies (C.T.S.)  Career and Technical Certificate (C.T.C.)  TCA - For Archive Purpose Only
<b>NAME OF PROGRAM(S) and AWARD LEVEL(S)</b>	
Stars : 5 Stars	
<b>Name:</b> Business Administration with a concentration in Entrepreneurship	<b>Program Delivery Mode:</b>
<b>CIP:</b> 22.0302	<b>Credit Hours:</b> 60.00 <b>Contact Hours:</b> 2700.00      Associate of Applied Science (A.A.S.)
<b>PROPOSED CHANGE</b>	
a) For New Programs, state the purpose and objective; b) For Curriculum Modifications, state previous credit and clock hours; c) For Program Termination, state program and all award levels; d) For Curriculum Adoption, state the college from which curriculum is being adopted and the date it was approved by LCTCS.	
Award an Associates of Business Administration with an Entrepreneurship concentration	
<b>IMPLEMENTATION DATE (Semester and Year)</b>	Fall 2019
<b>HISTORY OF PRIOR ACTIONS</b>	
Provide an overview of changes to this program.	
None	
<b>JUSTIFICATION FOR THE PROPOSED CHANGE</b>	
Include support such as four-year university agreements, industry demand, advisory board information, etc.	

Industry demand for entrepreneurship programs exist.

**SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION:**

**QUALIFIED FACULTY (Check all that apply)**

<b>Use Existing Faculty: No</b> # - Full Time: 0 # - Part Time: 0	<b>Hire Adjunct Faculty: No</b> # - 0	<b>Hire Full-Time Faculty: No</b> # - 0
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**ADMINISTRATION and IMPLEMENTATION COSTS**

**Department :**

**How will this change affect the administrative structure and/or allocation of departmental funds in terms of:**

<b>Faculty :</b>	<b>Facilities :</b>	<b>Library Resources :</b>
<b>Support :</b>	<b>Related Fields :</b>	<b>Other :</b>

**MINIMUM CREDENTIALS REQUIRED FOR FACULTY**

<b>Education:</b> Master's Degree	<b>Experience:</b> 5 years	<b>Certification:</b>
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**FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS**

**Department :** Academic Affairs: Business Administration

**Describe how this change will affect the administrative structure and/or allocation of departmental funds in terms of faculty, facilities, support, and any other resources.**

Administrative structure will not change. The adjunct faculty will continue to report to the Department Head of Business.

**ANTICIPATED ENROLLMENT:**

<b>Students</b>	<b>Year One</b>	<b>Year Two</b>	<b>Year Three</b>	<b>Year Four</b>	<b>Year Five</b>
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<b>DAY</b>	15	15	25	30	30
<b>EVENING</b>					

<b>DISTANCE EDUCATION</b>	15	15	25	25	25
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**Describe Process for Attaining & Estimating Enrollment:** Based on current demand

**PROGRAM ACCREDITATION:**

**Is Program Accreditation, Licensure or Certification Required?** Mandatory  
**Accreditation status:** Approved

**Type/Name of Program Accreditation, Licensure or Certification Required:**

**DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)**

**PROGRAM CURRICULUM**

Use the template below or insert separate attachment. All modifications should include the OLD and NEW curriculum with changes appropriately noted so that it is visually clear what has been added, deleted and/or changed. Note if any special requirements, such as internships, are part of the curriculum. List all embedded IBCs. If you are adopting curriculum, you do not need to complete this section.

Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours	Clinical Hours
<b>Program, Degree or Concentration:</b> Entrepreneurship					<b>Credit Hours:</b> 60.00		
<b>Semester:</b> First Semester					<b>Credit Hours:</b> 15.00		
CPTR	1100	Introduction to Computer Apps	3.00	0.00	45.00	3.00	0.00
ENGL	1010	Composition I	3.00	0.00	45.00	3.00	0.00
MATH	1100	College Algebra	3.00	0.00	45.00	3.00	0.00
BUSN	1100	Intro to Business	3.00	0.00	45.00	3.00	0.00
ACCT	2100	Financial Accounting	3.00	0.00	45.00	3.00	0.00
<b>Semester:</b> Second Semester					<b>Credit Hours:</b> 15.00		

BUSN	1050	Business Communication	3.00	0.00	45.00	3.00	0.00
BUSN	2100	Introduction to Management	3.00	0.00	45.00	3.00	0.00
BUSN	2130	Personal Finance	3.00	0.00	45.00	3.00	0.00

BUSN	2140	Intro to Entrepreneurship	3.00	0.00	45.00	3.00	0.00
SPCH	1200	Intro to Public Speaking	3.00	0.00	45.00	3.00	0.00

<b>Semester: Third Semester</b>					<b>Credit Hours: 15.00</b>		
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ACCT	2500	Computerized Accounting	3.00	0.00	45.00	3.00	0.00
BUSN	2230	Introduction to Marketing	3.00	0.00	45.00	3.00	0.00
ECON	2010	Macroeconomics	3.00	0.00	45.00	3.00	0.00
BUSN	2120	Human Resources Management	3.00	0.00	45.00	3.00	0.00
BUSN	2240	Entrepreneurial Finance	3.00	0.00	45.00	3.00	0.00

<b>Semester: Fourth Semester</b>					<b>Credit Hours: 15.00</b>		
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ECON	2020	Microeconomics	3.00	0.00	45.00	3.00	0.00
BUSN	2200	Legal Environment of Business	3.00	0.00	45.00	3.00	0.00
BUSN	2451/2 980	Integrated Career Skills or Internship	3.00	0.00	45.00	3.00	0.00
		Approved Humanities	3.00	0.00	45.00	3.00	0.00
		Approved Natural Science	3.00	0.00	45.00	3.00	0.00

**BENEFITS TO THE SYSTEM**

**Discuss how this change will benefit your students, your community, and the LCTCS.**

This offers an exit point in lieu of an Associates degree

**KEYWORDS**



**FTCC Electrician - 05/20/2019**

**TYPE OF PROPOSED CHANGE :** Curriculum Modification

**PROGRAM NAME :** Electrician

**AWARD LEVEL(S)**

**For Board of Regents and LCTCS Review:**

**Name:**

**For LCTCS Review:**

- Technical Diploma (T.D.)
- Certificate of Technical Studies (C.T.S.)
- Career and Technical Certificate (C.T.C)
- TCA - For Archive Purpose Only

**NAME OF PROGRAM(S) and AWARD LEVEL(S)**

**Stars :** 4 Stars

**Name:** Electrician: Industrial/Commercial Electrician

**Program Delivery Mode:**

**CIP:** 460302      **Credit Hours:** 46.00      **Contact Hours:** 900.00      Technical Diploma (T.D.)

**Stars :** 4 Stars

**Name:** Electrician: Residential Electrician

**Program Delivery Mode:**

**CIP:** 460302      **Credit Hours:** 27.00      **Contact Hours:** 0.00      Certificate of Technical Studies (C.T.S.)

**Stars :** 4 Stars

**Name:** Apprentice Electrician

**Program Delivery Mode:**

**CIP:** 460302      **Credit Hours:** 12.00      **Contact Hours:** 285.00      Career and Technical Certificate (C.T.C)

<b>IBC:</b> NCCER Core	<b>Issuing Body:</b> NCCER	<b>Course Title:</b>	<b>Course Prefix:</b>	<b>Course Number:</b>	<b>Credits Awarded:</b> 12.00	<b>IBC Awarded upon Completion?</b> : Yes
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**PROPOSED CHANGE**

a) For New Programs, state the purpose and objective; b) For Curriculum Modifications, state previous credit and clock hours; c) For Program Termination, state program and all award levels; d) For Curriculum Adoption, state the college from which curriculum is being adopted and the date it was approved by LCTCS.

Replace TCA with CTC and IBC

**IMPLEMENTATION DATE**  
(Semester and Year)

Fall 2019

**HISTORY OF PRIOR ACTIONS**

Provide an overview of changes to this program.

None

**JUSTIFICATION FOR THE PROPOSED CHANGE**

Include support such as four-year university agreements, industry demand, advisory board information, etc.

LCTCS requirement

**SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION: Sites (list below)**

Thibodaux

**QUALIFIED FACULTY (Check all that apply)**

Use Existing Faculty: Yes

Hire Adjunct Faculty: No

Hire Full-Time Faculty: No

# - Full Time: 0

# - 0

# - 0

# - Part Time: 0

**ADMINISTRATION and IMPLEMENTATION COSTS**

Department :

How will this change affect the administrative structure and/or allocation of departmental funds in terms of:

Faculty :

Facilities :

Library Resources :

Support :

Related Fields :

Other :

**MINIMUM CREDENTIALS REQUIRED FOR FACULTY**

**FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS**

<b>Education:</b> Master's Degree	<b>Experience:</b> 5 years	<b>Certification:</b>
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**Department :**

**Describe how this change will affect the administrative structure and/or allocation of departmental funds in terms of faculty, facilities, support, and any other resources.**

**ANTICIPATED ENROLLMENT:**

Students	Year One	Year Two	Year Three	Year Four	Year Five
<b>DAY</b>					
<b>EVENING</b>					
<b>DISTANCE EDUCATION</b>					

<b>Describe Process for Attaining &amp; Estimating Enrollment:</b>	
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**PROGRAM ACCREDITATION:**

<b>Is Program Accreditation, Licensure or Certification Required?</b>	No
	<b>Accreditation status:</b>
<b>Type/Name of Program Accreditation, Licensure or Certification Required:</b>	

**DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)**

**PROGRAM CURRICULUM**

**Use the template below or insert separate attachment. All modifications should include the OLD and NEW curriculum with changes appropriately noted so that it is visually clear what has been added, deleted and/or**

changed. Note if any special requirements, such as internships, are part of the curriculum. List all embedded IBCs. If you are adopting curriculum, you do not need to complete this section.

Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours	Clinical Hours
<b>Program, Degree or Concentration:</b> CTC Apprentice Electrician					<input type="text"/>	<b>Credit Hours: 12.00</b>	
ELEC	1010	Introductory Craft Skills I	3.00	0.00	0.00	3.00	0.00
ELEC	1020	Introductory Craft Skills II	2.00	1.00	0.00	3.00	0.00
ELEC	1101	Basic Electrical Skills I	2.00	1.00	0.00	3.00	0.00
ELEC	1102	Basic Electrical Skills II	2.00	1.00	0.00	3.00	0.00
<b>Program, Degree or Concentration:</b> CTS-ELRE, Residential Electrician					<input type="text"/>	<b>Credit Hours: 28.00</b>	
ELEC	1010	Introductory Craft Skills I	3.00	0.00	0.00	3.00	0.00
ELEC	1020	Introductory Craft Skills II	2.00	1.00	0.00	3.00	0.00
ELEC	1101	Basic Electrical Skills I	2.00	1.00	0.00	3.00	0.00
ELEC	1102	Basic Electrical Skills II	2.00	1.00	0.00	3.00	0.00
ELEC	1201	Residential Electrician I	3.00	2.00	0.00	5.00	0.00
ELEC	1202	Residential Electrician II	2.00	2.00	0.00	4.00	0.00
ELEC	1203	Electrical Raceways and Fittings	2.00	1.00	0.00	3.00	0.00
ELEC	1204	Conduit Bending	2.00	2.00	0.00	4.00	0.00
<b>Program, Degree or Concentration:</b> CTC Apprentice Electrician					<input type="text"/>	<b>Credit Hours: 12.00</b>	
ELEC	1010	Introductory Craft Skills I	3.00	0.00	0.00	3.00	0.00
ELEC	1020	Introductory Craft Skills II	2.00	1.00	0.00	3.00	0.00
ELEC	1101	Basic Electrical Skills I	2.00	1.00	0.00	3.00	0.00
ELEC	1102	Basic Electrical Skills II	2.00	1.00	0.00	3.00	0.00

<b>Program, Degree or Concentration:</b> CTS-ELRE Residential Electrician					<input type="text"/>	<b>Credit Hours:</b> 28.00		
<b>Program, Degree or Concentration:</b> CTC Apprentice Electrician					<input type="text"/>	<b>Credit Hours:</b> 12.00		
ELEC	1010	Introductory Craft Skills I	3.00	0.00	0.00	3.00	0.00	
ELEC	1020	Introductory Craft Skills II	2.00	1.00	0.00	3.00	0.00	
ELEC	1101	Basic Electrical Skills I	2.00	1.00	0.00	3.00	0.00	
ELEC	1102	Basic Electrical Skills II	2.00	1.00	0.00	3.00	0.00	

**BENEFITS TO THE SYSTEM**

**Discuss how this change will benefit your students, your community, and the LCTCS.**

**KEYWORDS**

**FTCC Welding - 05/20/2019**

<b>TYPE OF PROPOSED CHANGE :</b> Curriculum Modification			
<b>PROGRAM NAME :</b> Welding			
<b>AWARD LEVEL(S)</b>			
<b>For Board of Regents and LCTCS Review:</b>			
<b>Name:</b>	<b>For LCTCS Review:</b> Technical Diploma (T.D.) Certificate of Technical Studies (C.T.S.) Career and Technical Certificate (C.T.C) TCA - For Archive Purpose Only		
<b>NAME OF PROGRAM(S) and AWARD LEVEL(S)</b>			
<b>Stars :</b> 4 Stars			
<b>Name:</b> Welding		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 480508	<b>Credit Hours:</b> 45.00	<b>Contact Hours:</b> 0.00	Technical Diploma (T.D.)
<b>Stars :</b> 4 Stars			
<b>Name:</b> CTS-WINT, Intermediate Welder		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 48508	<b>Credit Hours:</b> 21.00	<b>Contact Hours:</b> 0.00	Certificate of Technical Studies (C.T.S.)
<b>Stars :</b> 5 Stars			
<b>Name:</b> CTC-3G-4G SMAW Welder		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 48508	<b>Credit Hours:</b> 10.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)

<b>Name:</b> CTC- SMAW Pipe Welder		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 48508	<b>Credit Hours:</b> 12.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)
<b>Name:</b> CTC- 3G-4G FCAW Welder		<b>Program Delivery Mode:</b>	



<b>CIP:</b> 48508	<b>Credit Hours:</b> 9.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)
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<b>Name:</b> CTC FCAW Pipe Welder	<b>Program Delivery Mode:</b>
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<b>CIP:</b> 48508	<b>Credit Hours:</b> 12.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)
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<b>Name:</b> CTC- TIG Pipe Welder	<b>Program Delivery Mode:</b>
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<b>CIP:</b> 48508	<b>Credit Hours:</b> 12.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)
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**PROPOSED CHANGE**  
a) For New Programs, state the purpose and objective; b) For Curriculum Modifications, state previous credit and clock hours; c) For Program Termination, state program and all award levels; d) For Curriculum Adoption, state the college from which curriculum is being adopted and the date it was approved by LCTCS.

Replacing TCAs with CTCs

**SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION:** Main Campus

**HISTORY OF PRIOR ACTIONS**  
Provide an overview of changes to this program.

None

**JUSTIFICATION FOR THE PROPOSED CHANGE**  
Include support such as four-year university agreements, industry demand, advisory board information, etc.

<b>IMPLEMENTATION DATE (Semester and Year)</b>	Fall 2019
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**QUALIFIED FACULTY (Check all that apply)**

<b>Use Existing Faculty: Yes</b> # - Full Time: 0 # - Part Time: 0	<b>Hire Adjunct Faculty: No</b> # - 0	<b>Hire Full-Time Faculty: No</b> # - 0
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**ADMINISTRATION and IMPLEMENTATION COSTS**

<b>ANTICIPATED ENROLLMENT:</b>					
<b>Students</b>	<b>Year One</b>	<b>Year Two</b>	<b>Year Three</b>	<b>Year Four</b>	<b>Year Five</b>
<b>DAY</b>					
<b>EVENING</b>					
<b>DISTANCE EDUCATION</b>					
<b>Describe Process for Attaining &amp; Estimating Enrollment:</b>					
<b>PROGRAM ACCREDITATION:</b>					
<b>Is Program Accreditation, Licensure or Certification Required?</b>		No			
		<b>Accreditation status:</b>			
<b>Type/Name of Program Accreditation, Licensure or Certification Required:</b>					

WELD 1110	Shop Orientation and Safety	1	1	2
WELD 1210	Oxyfuel Systems	1	1	2
WELD 1411	SMAW Fillet Weld	1	2	3
WELD 1412	SMAW V-Groove BU/Gouge	1	2	3
<b>CTC 3G-4G SMAW Welder (10)</b>				

WELD 1111	Occupational Safety	1	0	1
WELD 1210	Oxyfuel Systems	1	1	2
WELD 2995	Special Projects III, (2G pipe)	0	3	3
WELD 1511	SMAW – Pipe 5G	1	2	3
WELD 1512	SMAW – Pipe 6G	1	2	3
<b>CTC SMAW Pipe Welder (13)</b>				

WELD 1111	Occupational Safety	1	0	1
WELD 1210	Oxyfuel Systems	1	1	2
WELD 2110	FCAW Basic Fillet Welds	0	2	2
WELD 2111	FCAW Groove Weld	1	3	4
<b>CTC 3G-4G FCAW Welder (9)</b>				

WELD 1111	Occupational Safety	1	0	1
WELD 1210	Oxyfuel Systems	1	1	2
WELD 2111	FCAW Groove Weld	1	3	4
WELD 2114	FCAW – Pipe 6GR	2	3	5
<b>CTC FCAW Pipe Welder (12)</b>				

<b>WELD 1111</b>	<b>Occupational Safety</b>	<b>1</b>	<b>0</b>	<b>1</b>
<b>WELD 1210</b>	<b>Oxyfuel Systems</b>	<b>1</b>	<b>1</b>	<b>2</b>
<b>WELD 1512</b>	<b>SMAW – Pipe 6G</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>WELD 2220</b>	<b>GTAW – Pipe 5G</b>	<b>1</b>	<b>2</b>	<b>3</b>
<b>WELD 2222</b>	<b>GTAW – Pipe 6G</b>	<b>1</b>	<b>2</b>	<b>3</b>
	<b>CTC TIG Pipe Welder (12)</b>			

**FTCC Automotive Technology - 05/17/2019**

<b>TYPE OF PROPOSED CHANGE :</b> Curriculum Modification			
<b>PROGRAM NAME :</b> Automotive Technology			
<b>AWARD LEVEL(S)</b>			
<b>For Board of Regents and LCTCS Review:</b>			
<b>Name:</b>		<b>For LCTCS Review:</b>	
		Technical Diploma (T.D.)	
		Certificate of Technical Studies (C.T.S.)	
		Career and Technical Certificate (C.T.C)	
		TCA - For Archive Purpose Only	
<b>NAME OF PROGRAM(S) and AWARD LEVEL(S)</b>			
<b>Stars :</b> 5 Stars			
<b>Name:</b> CTC- AUHP Engine Repair Technician		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 470604	<b>Credit Hours:</b> 8.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)
<b>Name:</b> CTC-AUPE Engine Performance Technician		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 470604	<b>Credit Hours:</b> 15.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)
<b>Name:</b> CTC-AUEL Electrical Technician		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 470604	<b>Credit Hours:</b> 10.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)
<b>Name:</b> CTC-AUTT Transmission Technician		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 470604	<b>Credit Hours:</b> 10.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)

<b>Name:</b> CTC-AUSB Steering and Brakes Technician		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 470604	<b>Credit Hours:</b> 9.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)
<b>Name:</b> CTC-AUHA Heating & Air Conitioning Technician		<b>Program Delivery Mode:</b>	

CIP: 470604

Credit Hours: 8.00

Contact Hours: 0.00

Career and Technical  
Certificate (C.T.C)

**PROPOSED CHANGE**

a) For New Programs, state the purpose and objective; b) For Curriculum Modifications, state previous credit and clock hours; c) For Program Termination, state program and all award levels; d) For Curriculum Adoption, state the college from which curriculum is being adopted and the date it was approved by LCTCS.

**IMPLEMENTATION DATE**  
(Semester and Year)

Fall 2019

**HISTORY OF PRIOR ACTIONS**

Provide an overview of changes to this program.

**JUSTIFICATION FOR THE PROPOSED CHANGE**

Include support such as four-year university agreements, industry demand, advisory board information, etc.

**SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION:** Main Campus

**QUALIFIED FACULTY (Check all that apply)**

**Use Existing Faculty: Yes**

**Hire Adjunct Faculty: No**

**Hire Full-Time Faculty: No**

# - Full Time: 0

# - 0

# - 0

# - Part Time: 0

**ADMINISTRATION and IMPLEMENTATION COSTS**

**Department :**

**How will this change affect the administrative structure and/or allocation of departmental funds in terms of:**

**Faculty :**

**Facilities :**

**Library Resources :**

**Support :**

**Related Fields :**

**Other :**

**MINIMUM CREDENTIALS REQUIRED FOR FACULTY**

**Education:**

**Experience:**

**Certification:**

**FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS**

**Department :**

**Describe how this change will affect the administrative structure and/or allocation of departmental funds in terms of faculty, facilities, support, and any other resources.**

**ANTICIPATED ENROLLMENT:**

Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY					
EVENING					
DISTANCE EDUCATION					

**Describe Process for Attaining & Estimating Enrollment:**

**PROGRAM ACCREDITATION:**

<b>Is Program Accreditation, Licensure or Certification Required?</b>	Mandatory  Accreditation status: Approved
<b>Type/Name of Program Accreditation, Licensure or Certification Required:</b>	

**DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)**



**PROGRAM CURRICULUM**

Use the template below or insert separate attachment. All modifications should include the OLD and NEW curriculum with changes appropriately noted so that it is visually clear what has been added, deleted and/or changed. Note if any special requirements, such as internships, are part of the curriculum. List all embedded IBCs. If you are adopting curriculum, you do not need to complete this section.

Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours	Clinical Hours
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Program, Degree or Concentration: CTC-AUHP Engine Repair Technician						Credit Hours: 8.00	
AUTO	1000	Introduction to Automotive Technology	2.00	0.00	0.00	2.00	0.00
AUTO	1001	Introduction to Automotive Technology Lab	0.00	1.00	0.00	1.00	0.00
AUTO	1100	Engine Repair	2.00	0.00	0.00	2.00	0.00
AUTO	1101	Engine Repair Lab	0.00	3.00	0.00	3.00	0.00
Program, Degree or Concentration: CTC-AUPE Engine Performance Technician						Credit Hours: 15.00	
AUTO	1800	Engine Performance I	2.00	0.00	0.00	2.00	0.00
AUTO	1801	Engine Performance I Lab	0.00	3.00	0.00	3.00	0.00
AUTO	1810	Engine Performance II	2.00	0.00	0.00	2.00	0.00
AUTO	1811	Engine Performance II Lab	0.00	3.00	0.00	3.00	0.00
AUTO	1820	Engine Performance III	2.00	0.00	0.00	2.00	0.00
AUTO	1821	Engine Performance III Lab	0.00	3.00	0.00	3.00	0.00
Program, Degree or Concentration: CTC-AUEL Electrical Technician						Credit Hours: 10.00	
AUTO	1600	Electrical/Electronic I	2.00	0.00	0.00	2.00	0.00
AUTO	1601	Electrical/Electronic I Lab	0.00	3.00	0.00	3.00	0.00
AUTO	1610	Electrical/Electronic II	2.00	0.00	0.00	2.00	0.00
AUTO	1611	Electrical/Electronic II Lab	0.00	3.00	0.00	3.00	0.00
Program, Degree or Concentration: CTC-AUTT Transmission Technician						Credit Hours: 10.00	
AUTO	1200	Automatic Transmission & Transaxle	2.00	0.00	0.00	2.00	0.00
AUTO	1201	Automatic Transmission & Transaxle Lab	0.00	3.00	0.00	3.00	0.00
AUTO	1300	Manual Drive Trains	2.00	0.00	0.00	2.00	0.00
AUTO	1301	Manual Drive Trains Lab	0.00	3.00	0.00	3.00	0.00

<b>Program, Degree or Concentration: CTC-AUSB Steering and Brakes Technician</b>					<b>Credit Hours: 9.00</b>		
AUTO	1400	Steering & Suspension	2.00	0.00	0.00	2.00	0.00
AUTO	1401	Steering & Suspension Lab	0.00	3.00	0.00	3.00	0.00
AUTO	1500	Brakes	2.00	0.00	0.00	2.00	0.00
AUTO	1501	Brakes Lab	0.00	2.00	0.00	2.00	0.00
<b>Program, Degree or Concentration: CTC-AUHA Heating &amp; Air Conditioning Technician</b>					<b>Credit Hours: 8.00</b>		
AUTO	1000	Introduction to Automotive Technology	2.00	0.00	0.00	2.00	0.00

AUTO	1001	Introduction to Automotive Technology Lab	0.00	1.00	0.00	1.00	0.00
AUTO	1700	Heating & Air Conditioning	2.00	0.00	0.00	2.00	0.00
AUTO	1701	Heating & Air Conditioning Lab	0.00	3.00	0.00	3.00	0.00

<b>Program, Degree or Concentration: CTC-AUHA Heating &amp; Air Conditioning Technician</b>					<b>Credit Hours: 8.00</b>		
AUTO	1000	Introduction to Automotive Technology	2.00	0.00	0.00	2.00	0.00
AUTO	1001	Introduction to Automotive Technology Lab	0.00	1.00	0.00	1.00	0.00
AUTO	1700	Heating & Air Conditioning	2.00	0.00	0.00	2.00	0.00
AUTO	1701	Heating & Air Conditioning Lab	0.00	3.00	0.00	3.00	0.00

**BENEFITS TO THE SYSTEM**

**Discuss how this change will benefit your students, your community, and the LCTCS.**

**KEYWORDS**

**FTCC Air Conditioning and Refrigeration - 05/20/2019**

<b>TYPE OF PROPOSED CHANGE</b> : Curriculum Modification			
<b>PROGRAM NAME</b> : Air Conditioning and Refrigeration			
<b>AWARD LEVEL(S)</b>			
<b>For Board of Regents and LCTCS Review:</b>			
<b>Name:</b>	<b>For LCTCS Review:</b> Technical Diploma (T.D.) Certificate of Technical Studies (C.T.S.) Career and Technical Certificate (C.T.C) TCA - For Archive Purpose Only		
<b>NAME OF PROGRAM(S) and AWARD LEVEL(S)</b>			
<b>Stars</b> : 5 Stars			
<b>Name:</b> CTS-HVAC Helper II		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 470201	<b>Credit Hours:</b> 24.00	<b>Contact Hours:</b> 0.00	Certificate of Technical Studies (C.T.S.)
<b>Stars</b> : 5 Stars			
<b>Name:</b> CTC-HVAC Helper I		<b>Program Delivery Mode:</b>	
<b>CIP:</b> 470201	<b>Credit Hours:</b> 12.00	<b>Contact Hours:</b> 0.00	Career and Technical Certificate (C.T.C)
<b>PROPOSED CHANGE</b>			
a) For New Programs, state the purpose and objective; b) For Curriculum Modifications, state previous credit and clock hours; c) For Program Termination, state program and all award levels; d) For Curriculum Adoption, state the college from which curriculum is being adopted and the date it was approved by LCTCS.			
Change HVAC Helper I TCA to HVAC Helper I CTC and change HVAC Helper II TCA to HVAC Helper II CTS			
<b>IMPLEMENTATION DATE</b> (Semester and Year)	Fall 2019		
<b>HISTORY OF PRIOR ACTIONS</b> Provide an overview of changes to this program.			

<b>ANTICIPATED ENROLLMENT:</b>					
<b>Students</b>	<b>Year One</b>	<b>Year Two</b>	<b>Year Three</b>	<b>Year Four</b>	<b>Year Five</b>

<b>DAY</b>					
<b>EVENING</b>					
<b>DISTANCE EDUCATION</b>					

**Describe Process for Attaining & Estimating Enrollment:**

<b>PROGRAM ACCREDITATION:</b>	
<b>Is Program Accreditation, Licensure or Certification Required?</b>	Mandatory  Accreditation status: Approved
<b>Type/Name of Program Accreditation, Licensure or Certification Required:</b>	

**DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)**

**PROGRAM CURRICULUM**  
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<b>Subject Code</b>	<b>Course Number</b>	<b>Course Title</b>	<b>Lecture Hours</b>	<b>Lab Hours</b>	<b>Contact Hours</b>	<b>Credit Hours</b>	<b>Clinical Hours</b>
<b>Program, Degree or Concentration: CTC-HVAC Helper I</b>						<b>Credit Hours: 12.00</b>	
HACR	1150	HVAC Introduction	1.00	2.00	0.00	3.00	0.00
HACR	1160	Principles of Refrigeration I	1.00	2.00	0.00	3.00	0.00
HACR	1170	Principles of Refrigeration II	1.00	2.00	0.00	3.00	0.00
HACR	1180	Principles of Refrigeration III	1.00	2.00	0.00	3.00	0.00

<b>Program, Degree or Concentration: CTS-HVAC Helper II</b>					<b>Credit Hours: 24.00</b>		
HACR	1150	HVAC Introduction	1.00	2.00	0.00	3.00	0.00
HACR	1160	Principles of Refrigeration I	1.00	2.00	0.00	3.00	0.00
HACR	1170	Principles of Refrigeration II	1.00	2.00	0.00	3.00	0.00

HACR	1180	Principles of Refrigeration III	1.00	2.00	0.00	3.00	0.00
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<b>Semester: Second Semester</b>					<b>Credit Hours: 12.00</b>		
HACR	1210	Electrical Fundamentals	1.00	2.00	0.00	3.00	0.00
HACR	1220	Electrical Components	1.00	2.00	0.00	3.00	0.00
HACR	1230	Electrical Motors	1.00	2.00	0.00	3.00	0.00
HACR	1240	Applied Electricity and Troubleshooting	1.00	2.00	0.00	3.00	0.00

**BENEFITS TO THE SYSTEM**

**Discuss how this change will benefit your students, your community, and the LCTCS.**

**KEYWORDS**