



# LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

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Creating Futures**

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265 South Foster Drive  
Baton Rouge, LA 70806

Phone: 225-922-2800  
Fax: 225-922-1185

[www.lctcs.edu](http://www.lctcs.edu)

**TO:** Dr. Monty Sullivan  
LCTCS President

**THROUGH:** Dr. Wendi Palermo <sup>WP</sup>  
Chief Education and Training Officer

**FROM:** William Tulak <sup>WT</sup>  
Director of Institutional Effectiveness

**DATE:** November 18, 2022

**SUBJECT:** Program requests at Fletcher Technical Community College

APPROVED  
*Slk* 12/7/22  
LCTCS BOARD OF SUPERVISORS

## FOR BOARD ACTION

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

### Program Additions

1. Career and Technical Certificate (CTC) in Diesel Mechanic Apprentice (CIP 47.0605) with an Industrial Based Certification in Medium/Heavy Truck Diesel Engines – **4 STARS**
2. Certificate of Technical Studies (CTS) in IT Programming, Networking, and Security (CIP 11.0401) – **5 STARS**

**Background:** Fletcher Technical Community College is requesting a new exit point for the Technical Diploma in Marine Diesel Engine Technician. Courses required in the CTC a in Diesel Mechanic Apprentice will align with the IBC in Medium/Heavy Truck Diesel Engine. Courses for new CTS in IT Programming, Networking, and Security are currently being offered in the CIS AAS program. These courses are being repackaged to create a standalone CTS program. The new CTS contains a CTC exit point to provide employment opportunities prior to program completion.

**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 revising and creating new programs to meet student and workforce needs.

**Benefits to the System:** These requests will allow NLTC to better meet student and workforce needs.

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

*December 7, 2022*

**Date**

## Diesel Mechanic Apprentice - 11/06/2022

<b>TYPE OF PROPOSED CHANGE</b> : New Program
<b>PROGRAM NAME</b> : Diesel Mechanic Apprentice

<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> Diesel Mechanic Apprentice				<b>Program Delivery Mode:</b> Standard		
<b>CIP:</b> 47.0605	<b>Credit Hours:</b> 15.00	<b>Contact Hours:</b> 25.00	Career and Technical Certificate (C.T.C)			
<b>IBC:</b> Medium/Heavy Truck Diesel Engines	<b>Issuing Body:</b> 470605.03	<b>Course Title:</b> Engines	<b>Course Prefix:</b> DESL	<b>Course Number:</b> 1140	<b>Credits Awarded:</b> 0.00	<b>IBC Awarded upon Completion?</b> : No-Test is Required

<b>PROPOSED CHANGE</b> <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.</b>
The proposed program is a new exit point for the Marine Diesel Engine Technician, TD. Courses already being offered have been repackaged to award a CTC and allow students to be eligible to sit for the Medium/Heavy Truck Diesel Engine IBC.

<b>IMPLEMENTATION DATE (Semester and Year)</b>	Fall 2022
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<b>HISTORY OF PRIOR ACTIONS</b> Provide an overview of changes to this program.
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**JUSTIFICATION FOR THE PROPOSED CHANGE****Include support such as four-year university agreements, industry demand, advisory board information, etc.**

Clustering/repackaging currently offered courses to allow students to earn a CTC as an exit point and be eligible to sit for IBC.

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

# - Full Time: 2

# - 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:** Associate degree in the discipline or Associate degree with professional experience and required licensure/certifications or 10 years documentable experience at or above the highest level of skill being taught**Experience:****Certification:****FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS****Department :** Technical Education**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.**

This change will have no impact on current structure or allocation of funds. Existing faculty are currently teaching courses that will be used to satisfy the new CTC credential requirements.

<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>	17	18	19	20	20
<b>EVENING</b>					
<b>DISTANCE EDUCATION</b>					
<b>Describe Process for Attaining &amp; Estimating Enrollment:</b>	Students currently declared in the Marine Diesel Engine Technician TD program will be eligible to earn this award as an exit point. Year one includes current program enrollment. Years two through five include predicted enrollment based on shop capacity.				

<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>	

<b>DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)</b>

<b>PROGRAM CURRICULUM</b>								
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>	
<b>Program, Degree or Concentration:</b> CTC - Diesel Mechanic Apprentice					<b>Credit Hours:</b> 15.00			
DESL	1120	SAFETY SKILLS AND INTRO TO DIESEL ENGINES	2.00	1.00	4.00	3.00	0.00	
DESL	1130	DIESEL ENGINE PARTS IDENTIFICATION AND OPERATING PRINCIPLES	1.00	2.00	5.00	3.00	0.00	
DESL	1140	ENGINES	1.00	3.00	7.00	4.00	0.00	
DESL	1240	DIESEL ENGINE FUEL SYSTEMS	1.00	2.00	5.00	3.00	0.00	

DESL	2310	MARINE AIR INTAKE AND EXHAUST SYSTEMS	0.00	1.00	2.00	1.00	0.00
DESL	2320	MARINE COOLING SYSTEMS	0.00	1.00	2.00	1.00	0.00

<b>BENEFITS TO THE SYSTEM</b>
<b>Discuss how this change will benefit your students, your community, and the LCTCS.</b>
Benefits include students who stop out prior to diploma completion will have the opportunity to have earned a CTC and IBC, enhancing employability.

<b>KEYWORDS</b>

## IT Programming, Networking, and Security - 11/06/2022

<b>TYPE OF PROPOSED CHANGE</b> : New Program
<b>PROGRAM NAME</b> : IT Programming, Networking, and Security

<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> IT Programming, Networking, and Security				<b>Program Delivery Mode:</b> Online		
<b>CIP:</b> 11.0401	<b>Credit Hours:</b> 33.00	<b>Contact Hours:</b> 495.00	Certificate of Technical Studies (C.T.S.)			
<b>Stars</b> : 5 Stars						
<b>Name:</b> IT Support				<b>Program Delivery Mode:</b> Online		
<b>CIP:</b> 11.0401	<b>Credit Hours:</b> 15.00	<b>Contact Hours:</b> 225.00	Career and Technical Certificate (C.T.C)			
<b>IBC:</b> CompTIA A+	<b>Issuing Body:</b> 11020101 (IBC Award Code)	<b>Course Title:</b> Hep Desk Operations	<b>Course Prefix:</b> CTEC	<b>Course Number:</b> 1180	<b>Credits Awarded:</b> 3.00	<b>IBC Awarded upon Completion?</b> : No-Test is Required

<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.
Courses for new program are currently being offered as CIS AAS program requirements. These courses are being repackaged to create a standalone CTS program so that students can declare as a major with a CTC exit point to allow students an option to enter the workforce more quickly.

<b>IMPLEMENTATION DATE (Semester and Year)</b>	Fall 2022	Fall 2023 Intended implementation date
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<b>HISTORY OF PRIOR ACTIONS</b> Provide an overview of changes to this program.

<b>JUSTIFICATION FOR THE PROPOSED CHANGE</b> Include support such as four-year university agreements, industry demand, advisory board information, etc.
Workforce need and advisory board support.

<b>SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION:</b>
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<b>QUALIFIED FACULTY (Check all that apply)</b>		
<b>Use Existing Faculty: No</b>  # - Full Time: 1  # - Part Time: 0	<b>Hire Adjunct Faculty: No</b>  # - 0	<b>Hire Full-Time Faculty: No</b>  # - 0

<b>ADMINISTRATION and IMPLEMENTATION COSTS</b>		
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 :

<b>MINIMUM CREDENTIALS REQUIRED FOR FACULTY</b>		
<b>Education:</b> Master's degree in related field with 18 graduate hours in CIS/CIT	<b>Experience:</b> Minimum 2 years in Higher Education setting	<b>Certification:</b>

<b>FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS</b>
Department : Business, Education, Arts, & Math

**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.**

This change will have no impact on current structure or allocation of funds. Existing faculty are currently teaching courses that will be used to satisfy the new the CTS and CTC credential requirements.

**ANTICIPATED ENROLLMENT:**

Students	Year One	Year Two	Year Three	Year Four	Year Five
<b>DAY</b>					
<b>EVENING</b>					
<b>DISTANCE EDUCATION</b>	15	20	26	31	42

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

Numbers are based on interest in the advertisement of the CIS AAS program. Advisor will consultate with CIS interested students and evaluate whether whether the CTS or the AAS prrogram will better fit education goals.

**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.

Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours	Clinical Hours
<b>Program, Degree or Concentration:</b> CTC - IT Support						<b>Credit Hours:</b> 15.00	
CTEC	1010	Information Technology Principles	3.00	0.00	0.00	3.00	0.00



CTEC	1120	IT Hardware Support	3.00	0.00	0.00	3.00	0.00
CTEC	1070	Skills for Information Technology (IT) Success	3.00	0.00	0.00	3.00	0.00
CTEC	1140	IT Software Support	3.00	0.00	0.00	3.00	0.00
CTEC	1180	Help Desk Operations	3.00	0.00	0.00	3.00	0.00
<b>Program, Degree or Concentration:</b> CTS - IT Programming, Networking, and Security						<b>Credit Hours:</b> 0.00	
CTEC	1010	Information Technology Principles	3.00	0.00	0.00	3.00	0.00
CTEC	1120	IT Hardware Support	3.00	0.00	0.00	3.00	0.00
CTEC	1070	Skills for Information Technology (IT) Success	3.00	0.00	0.00	3.00	0.00
CTEC	1140	IT Software Support	3.00	0.00	0.00	3.00	0.00
CTEC	1180	Help Desk Operations	3.00	0.00	0.00	3.00	0.00
CTEC	1120	Problem Solving and Programming Techniques	3.00	0.00	0.00	3.00	0.00
CTEC	1080	Introduction to Management Information Systems	3.00	0.00	0.00	3.00	0.00
CTEC	1550	Network Essentials	0.00	0.00	0.00	3.00	0.00
CTEC	2820	Information Technology Project Management	3.00	0.00	0.00	3.00	0.00
CTEC	2630	Cloud +	3.00	0.00	0.00	3.00	0.00
CTEC	2870	Network Security Design	3.00	0.00	0.00	3.00	0.00

## BENEFITS TO THE SYSTEM

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

Students will be allowed to declare the CTS program as an option/alternative to the AAS program to enter the workforce sooner and will do so with an IBC upon completing the CTC exit point.

## KEYWORDS

**Signature:** *William Tulak*

**Email:** williamtulak@lctcs.edu

**Signature:** *Wendi Palermo*

**Email:** wendipalermo@lctcs.edu












# F.4.FTCC Consent December 2022

Final Audit Report

2022-12-02

Created:	2022-12-02
By:	Sara Kleinpeter (sarakleinpeter1@lctcs.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAfRkGa-cptudKFK_kaH8yc3JYkIWJlrYQ

## "F.4.FTCC Consent December 2022" History

-  Document created by Sara Kleinpeter (sarakleinpeter1@lctcs.edu)  
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-  Agreement completed.  
2022-12-02 - 3:49:20 PM GMT