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Creating Futures***

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## LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

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

**THROUGH:** Dr. René Cintrón <sup>RC</sup>  
Chief Education and Training Officer

**THROUGH:** Dr. Wendi Palermo <sup>WP</sup>  
Executive Director of Academics and Workforce

**FROM:** Dr. Adrienne Fontenot <sup>AF</sup>  
Director of Adult Learning and Educational Programs

**DATE:** June 29, 2021

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

**APPROVED**  
*SK* 7/7/21  
LCTCS BOARD OF SUPERVISORS

### **FOR BOARD ACTION:**

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

### **Program Additions**

1. Technical Diploma (TD) in Precision Agriculture Technology (CIP 01.0205) – **3 STARS**
  - a. Certificate of Technical Studies (CTS) in Precision Agriculture Technician (CIP 01.0205) – **3 STARS**
    - i. Career and Technical Certificate (CTC) in Precision Agriculture Apprentice (CIP 01.0205) – **3 STARS**

**Background:** Fletcher Technical Community College (FTCC) is requesting to add a Precision Agriculture Technology program to meet industry needs. This program covers the innovations in modern agricultural practices and equipment to meet the needs of a changing market due to technological advances beyond traditional farming techniques.

**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 FTCC to better meet student and workforce needs.

*Monty Sullivan*

July 7, 2021

**Approved**  
**Dr. Monty Sullivan**

**Date**



# LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

## Requests for Programs: New, Modification, and Adoption

<b>TYPE OF PROPOSED CHANGE</b>		
<input checked="" type="checkbox"/> New Program	<input type="checkbox"/> Curriculum Modification	<input type="checkbox"/> Curriculum Adoption
Program Name: Agriculture Technology		

<b>AWARD LEVEL(S)</b>	
For Board of Regents and LCTCS Review: <input type="checkbox"/> Associate of Applied Science (A.A.S.) <input type="checkbox"/> Associate of Science (A.S.) <input type="checkbox"/> Associate of Arts (A.A.) <input type="checkbox"/> Other Associate Degree <u>Name:</u> <span style="background-color: #e0e0ff; padding: 0 20px;"></span> <input type="checkbox"/> Certificate of Applied Science (C.A.S.) <input type="checkbox"/> Certificate of General Studies (C.G.S.)	For LCTCS Review: <input checked="" type="checkbox"/> Technical Diploma (T.D.) <input checked="" type="checkbox"/> Career and Technical Certificate (C.T.C.) <input checked="" type="checkbox"/> Certificate of Technical Studies (C.T.S.)

CIP: <b>01.0205</b>	Credit Hours: 45	Contact Hours: 1005	Award Level: T.D.
Name: <b>Agriculture Technician</b>			
CIP: <b>01.0205</b>	Credit Hours: 30	Contact Hours: 660	Award Level: C.T.S.
Name: <b>Agriculture Apprentice</b>			
CIP: <b>01.0205</b>	Credit Hours: 15	Contact Hours: 315	Award Level: C.T.C.

IBC	Issuing Body	Course Title	Course Prefix	Course Number	Credits Awarded
Principles of Small Engine Technology	Equipment and Engine Training Council	<b>Introduction to Diesel Electric Systems</b>	AGRI	1002	3

**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.

The Precision Agriculture program is designed to meet the industry needs to teach and train workers who wish to embark on a career in precision agriculture technology. This program covers the innovations in modern agriculture practices and equipment. This program is in direct response from request from the precision agriculture industry to meet the needs of a changing market in agriculture, which is adding technological advances beyond traditional farming techniques.

<b>IMPLEMENTATION DATE (Semester and Year)</b>	Fall 2021
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**HISTORY OF PRIOR ACTIONS**

**Provide an overview of changes to this program.**

New program – no prior actions.

**JUSTIFICATION FOR THE PROPOSED CHANGE**

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

**LOUISIANA WORKFORCE COMMISSION STAR LEVEL** (<http://www.laworks.net/Stars/>)

☐ 5 Stars

☐ 4 Stars

☒ 3 Stars

☐ 2 Stars

☐ 1 Star
**SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION**
☐ Main Campus

☒ All Campuses

☐ Sites (list below)

☒ Distance Education

Site 1: Site 2: Site 3: Site 4:		
<b>QUALIFIED FACULTY</b> (Check all that apply)		
<input checked="" type="checkbox"/> Use Existing Faculty <u>#: 2</u>	<input type="checkbox"/> Hire Adjunct Faculty <u>#: 2</u>	<input type="checkbox"/> Hire Full-Time Faculty <u>#: _____</u>
<b>MINIMUM CREDENTIALS REQUIRED FOR FACULTY</b>		
Education: Education: BS or BA in Agriculture or similar field.	Experience: 5+ years	Certification:

<b>FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS</b>
Department: Academic Affairs: STEM
<b>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.</b>
<p>There will be no additional impact to the administrative structure. The faculty report to the Dean of STEM. In regards to facilities, there has been \$11M capital outlay dollars allocated to Fletcher to build a Precision Agriculture building on the Schriever campus. Funding for the faculty in the amount of \$250K was provided for the Precision Ag Technology program through State Special Appropriation.</p>

<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>
<u>DAY</u>	<u>15</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>40</u>
<u>EVENING</u>					
<u>DISTANCE EDUCATION</u>					
Describe Process for Attaining & Estimating Enrollment:	There are roughly 27000 farms in this state and each area requires technicians to keep equipment running. Local industry has requested this program to meet the needs of this changing industry.				

<b>PROGRAM ACCREDITATION:</b>		
Is Program Accreditation, Licensure or Certification Required?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	If YES, please provide projected accreditation/licensure/certification date:	
Type/Name of Program Accreditation, Licensure or Certification Required:		

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. <b>If you are adopting curriculum, you do not need to complete this section.</b>						
Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours
First Semester						
AGRI	1001	Introduction to Diesel Power Systems	1	2	75	3
AGRI	1002	Introduction to Diesel Electric Systems	1	2	75	3
AGRI	1003	Agriculture Power Units	1	2	75	3
AGRI	1004	Dealership Operations and Procedures	3	0	45	3
AGRI	1005	Innovation in Agricultural Tech	3	0	45	3
		CTC-Agriculture Apprentice	9	6	315	15
Second Semester						
AGRI	1021	Agriculture Diesel Power Systems Diagnostics	1	2	75	3
AGRI	1023	Agriculture Hydraulic Systems Diagnostics	1	2	75	3
AGRI	1022	Agriculture Electrical Systems Diagnostics	1	2	75	3

AGRI	1006	Agriculture Small Engine Service and Repair	1	2	75	3
AGRI	1010	Technical Mathematics	3	0	45	3
		CTS- Agriculture Technician	18	14	660	30
Third Semester						
AGRI	1007	Air Conditioning Principle & Lab	1	2	75	3
AGRI	2005	Advanced GIS & Mapping Systems	3	0	45	3
AGRI	2006	Technical Writing Skills	3	0	45	3
AGRI	2007	Advanced field study internship	0	6	180	6
		TD-Agriculture Technology	25	22	1005	45
<b>BENEFITS TO THE SYSTEM</b>						
<b>Discuss how this change will benefit your students, your community, and the LCTCS.</b>						
<p>As the financial inputs of farming increase year after year and the crop prices across the nation stay stagnant or fall, it becomes increasingly important for farmers to be able to work smarter by utilizing technological advances to keep up with the increased demand for their product while also keeping their business afloat. This program is important to our community, region, and Louisiana as it will create opportunities to meet the workforce needs of agriculture- a vital component of the Louisiana economy.</p>						

SIGNATURES:

  
 College Chief Academic Officer

 4/6/21  
 Date

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College Chief Executive Officer

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Date

**Signature:** *Adrienne Fontenot*

**Email:** adriennefontenot@lctcs.edu

**Signature:** *Wendi Palermo*

**Email:** wendipalermo@lctcs.edu

**Signature:** *René Cintrón*  
René Cintrón (Jul 6, 2021 15:27 CDT)

**Email:** renecintron@lctcs.edu












# H.1.FTCC Consent Item

Final Audit Report

2021-07-06

Created:	2021-07-06
By:	Sara Kleinpeter (sarakleinpeter1@lctcs.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAAamy5sIShv1LIUiePs-ct1MUW-IeILN5y


## "H.1.FTCC Consent Item" History

-  Document created by Sara Kleinpeter (sarakleinpeter1@lctcs.edu)  
2021-07-06 - 6:20:15 PM GMT- IP address: 76.165.120.2
-  Document emailed to Adrienne Fontenot (adriennefontenot@lctcs.edu) for signature  
2021-07-06 - 6:21:00 PM GMT
-  Email viewed by Adrienne Fontenot (adriennefontenot@lctcs.edu)  
2021-07-06 - 6:26:30 PM GMT- IP address: 99.44.9.43
-  Document e-signed by Adrienne Fontenot (adriennefontenot@lctcs.edu)  
Signature Date: 2021-07-06 - 6:27:22 PM GMT - Time Source: server- IP address: 99.44.9.43
-  Document emailed to Wendi Palermo (wendipalermo@lctcs.edu) for signature  
2021-07-06 - 6:27:24 PM GMT
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2021-07-06 - 7:24:40 PM GMT- IP address: 104.47.70.126
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Signature Date: 2021-07-06 - 7:25:01 PM GMT - Time Source: server- IP address: 76.165.210.2
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 Document e-signed by Katie Waldrop (katiewaldrop@lctcs.edu)

Signature Date: 2021-07-06 - 8:30:10 PM GMT - Time Source: server- IP address: 76.165.120.2

 Agreement completed.

2021-07-06 - 8:30:10 PM GMT