



LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

TO: Dr. Monty Sullivan
LCTCS President

THROUGH: Dr. René Cintrón *RC*
Chief Education and Training Officer

FROM: Dr. Adrienne Fontenot *AF*
Director of Adult Learning and Educational Programs

SUBJECT: Program Requests at Nunez Community College

APPROVED
SK 8/14/19
LCTCS BOARD OF SUPERVISORS

DATE: 07/26/2019

FOR BOARD ACTION:

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

Program Additions

1. Career and Technical Certificate (CTC), Water Plant Operator (CIP 15.0506) with IBCs in Water Treatment Certification Level 1, Water Purification Certification Level 1, and Water Distribution Certification Level 1 from the Louisiana Department of Health – **4 STARS**
2. Career and Technical Certificate (CTC), Wastewater Plant Operator (CIP 15.0506) with IBCs in Wastewater Treatment Certification Level 1 and Wastewater Collection Certification Level 1 from the Louisiana Department of Health – **4 STARS**

Background: Nunez Community College is requesting to add Water and Wastewater Plant Operator Career and Technical Certificates (CTC) to allow students to begin training for work as licensed Water and Wastewater Plant Operators in credit-based classes. The CTC will be offered in coordination with non-credit workforce courses at the college allowing students to pursue training in the pathway that best suits their needs and career plans. Nunez worked with local employers and the Louisiana Department of Health to develop a curriculum that meets requirements and can be delivered in cooperation with non-credit workforce instruction to prepare employees and potential employees for testing and licensing.

Fiscal Impact: Year one anticipates one evening class supported by industry. Year two anticipates the continuation of year one. Years three through five anticipate the addition of daytime classes, with the possible addition of high school dual-enrolled students.

*Changing Lives,
Creating Futures*

Monty Sullivan
System President

Officers:
Stephen Toups
Chair

Paul Price, Jr
First Vice Chair

Willie L. Mount
Second Vice Chair

Members:
Tari T. Bradford
Helen Bridges Carter
Timothy W. Hardy
Alterman L. "Chip"
Jackson
Erika McConduit
Michael J. Murphy
Joe Potts
Stanton W. Salathe
Stephen C. Smith
Mark D. Spears, Jr.
Craig Spohn
Vincent St. Blanc, III

Student Members:
Samantha Rushlow
Shanco "Shawn" Williams

Louisiana
Community
& Technical
College System

265 South Foster Drive
Baton Rouge, LA 70806

Phone: 225-922-2800
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www.lctcs.edu



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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

8-14-19
Date

Water Plant Operator - 07/17/2019

TYPE OF PROPOSED CHANGE : New Program
PROGRAM NAME : Water Plant Operator

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 : 3 Stars						
Name: Water Plant Operator				Program Delivery Mode: Standard		
CIP: 15.0506	Credit Hours: 9.00	Contact Hours: 130.00		Career and Technical Certificate (C.T.C)		
IBC: Water Treatment Certification Level 1	Issuing Body: Louisiana Department of Health	Course Title: Water Treatment Operator 1	Course Prefix: WWTC	Course Number: 1110	Credits Awarded: 3.00	IBC Awarded upon Completion? : No-Student must Request it
IBC: Water Purification Certification Level 1	Issuing Body: Louisiana Department of Health	Course Title: Water Production Operator 1	Course Prefix: WWTC	Course Number: 1060	Credits Awarded: 3.00	IBC Awarded upon Completion? : No-Student must Request it
IBC: Water Distribution Certification Level 1	Issuing Body: Louisiana Department of Health	Course Title: Water Distribution Operator 1	Course Prefix: WWTC	Course Number: 1160	Credits Awarded: 3.00	IBC Awarded upon Completion? : No-Student must Request it

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.

This program will allow students to begin training for work as a licensed Water Plant Operators in credit-based classes. These courses will be approved and recognized by the Louisiana Department of Health prior to every session and students who complete the course will be allowed to sit for the required certification exam. Students who pass the certification exam may apply for a license. Three areas of study are included in this certificate and each leads to an opportunity to test for each certification. This CTC will be offered in coordination with non-credit workforce courses at the college, allowing students to pursue training in the pathway that best suits their needs and career plans.

IMPLEMENTATION DATE (Semester and Year)	Fall 2019	Or upon approval
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HISTORY OF PRIOR ACTIONS

Provide an overview of changes to this program.

This is the first time that Nunez will offer credit courses for Water Treatment Plant Operators. This coursework was developed with the support of industry to address the concerns of an aging workforce and dissatisfaction with current options for training for plant operators.

JUSTIFICATION FOR THE PROPOSED CHANGE

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

Industry approached Nunez to partner in developing a training program for Water Plant operators that allowed for extended training, especially in first level training, giving employees and potential employees options outside existing training offered in compressed formats and often in parts of Louisiana that required additional costs for travel. Nunez worked with local employers and the Louisiana Department of Health to develop a curriculum that meets requirements and can be delivered in cooperation with non-credit, workforce instruction to prepare employees and potential employees for testing and licensing close to home. By offering these courses at the college for all interested, industry hopes to encourage the public to consider careers Water Plant Operations with accessible career training and potential for employment with career growth opportunities.

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

QUALIFIED FACULTY (Check all that apply)

Use Existing Faculty: Yes	Hire Adjunct Faculty: Yes	Hire Full-Time Faculty: No
# - Full Time: 0	# - 1	# - 0
# - Part Time: 1		

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 in the content area or closely related and/ or must meet current DH requirements	Experience: 2 years in a related field preferred	Certification: DH Licensed preferred

FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS
Department : Natural Sciences
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 program will offer coursework that will integrate with the newly developed Coastal Studies and GIS programs. Since these courses and faculty must be approved by DH each time that they are offered, close coordination with Workforce is required and the program manager will ensure close collaboration and will share in record keeping with that department to ensure students' training is tracked properly. Administrative support from existing administrative assistants will be needed.

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY			10	12	12
EVENING	10	10	12	15	15
DISTANCE EDUCATION					
Describe Process for Attaining & Estimating Enrollment:	Year one anticipates one evening class supported by industry. Year two anticipates the continuation of year one, Years three through five anticipates the addition of daytime classes, with the possible addition of high school dual-enrolled students.				

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
Program, Degree or Concentration: Water Plant Operator					Credit Hours: 9.00		
WWC	1110	Water Treatment Operator 1	3.00	0.00	45.00	3.00	0.00
WWTC	1060	Water Production Operator 1	3.00	0.00	45.00	3.00	0.00
WWTC	1160	Water Distribution Operator 1	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 program addresses the anticipated need for employees to replace an aging workforce in Water Plant Operations with training in a convenient location that is also available to potential employees prior to employment, creating a pool of qualified employees. This also allows for cooperation between workforce noncredit and credit courses to help employees and potential employees find career training in a pathway that fits their needs and goals. This program is also an early step in continued cooperation between municipal water systems and Nunez Community College to provide ongoing training and opportunities to recruit and grow a workforce to accomplish the essential tasks of these agencies. Students benefit from opportunities to learn in convenient locations and to pursue a career with potential for long term stability and many opportunities for professional growth.

KEYWORDS

Water Treatment
Water Plant Operator

Wastewater Plant Operator - 07/17/2019

TYPE OF PROPOSED CHANGE : New Program
PROGRAM NAME : Wastewater Plant Operator

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 : 3 Stars						
Name : Wastewater Plant Operator				Program Delivery Mode : Standard		
CIP : 15.0506	Credit Hours : 6.00		Contact Hours : 90.00		Career and Technical Certificate (C.T.C)	
IBC : Wastewater Treatment Certification Level 1	Issuing Body : Louisiana Department of Health	Course Title : Wastewater Treatment Operator 1	Course Prefix : WWTC	Course Number : 1260	Credits Awarded : 3.00	IBC Awarded upon Completion? : No-Student must Request it
IBC : Wastewater Collection Certification Level 1	Issuing Body : Louisiana Department of Health	Course Title : Wastewater Collection Level 1	Course Prefix : WWTC	Course Number : 1210	Credits Awarded : 3.00	IBC Awarded upon Completion? : No-Student must Request it

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.

This program will allow students to begin training for work as licensed Wastewater Plant Operators in credit-based courses. These courses will be approved by the Louisiana Department of Health prior to every session, and students who complete the training will be allowed to sit for the required certification exam. Students who pass the certification exams will be able to apply for a license. Each of the areas represented in this CTC allows students to sit for certification. This certification will be offered in coordination with non-credit workforce training so that students can choose the appropriate pathway for career training that best fits their needs and educational goals.

**IMPLEMENTATION DATE
(Semester and Year)**

Fall 2019

Or upon approval

HISTORY OF PRIOR ACTIONS

Provide an overview of changes to this program.

This is the first time that Nunez will offer training for Wastewater Plant Operators. This coursework was developed with the support of industry to meet the needs for trained and licensed operators and to address the concerns of an aging workforce and to address dissatisfaction with existing options for training for operators.

JUSTIFICATION FOR THE PROPOSED CHANGE

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

Industry approached Nunez to partner in developing a training program for Wastewater Plant Operators that allowed for extended training time, especially in the first level training, giving employees and potential employees options outside of compressed formats and often in parts of Louisiana that required additional costs for travel. Nunez worked with local employers and the Louisiana Department of Health to develop a curriculum and that can be delivered in cooperation with non-credit workforce instruction, allowing flexibility in meeting training needs and students' educational and employment goals.

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

QUALIFIED FACULTY (Check all that apply)

Use Existing Faculty: No

- Full Time: 0

- Part Time: 0

Hire Adjunct Faculty: Yes

- 1

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 preferred in content area or related area and / or must meet all DH requirements for instructors

Experience: 2 years

Certification: Department of Health certification preferred

FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS

Department : Natural Sciences

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 program will offer coursework that will integrate with the newly developed Coastal Studies and GIS programs. Since these courses and faculty must be approved by DH each time that they are offered; close coordination with Workforce is required, and the program manager will ensure close collaboration and will share in record keeping with that department to ensure students' training is tracked properly. Administrative support from existing administrative assistants will be provided.

ANTICIPATED ENROLLMENT:

Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY			10	12	12
EVENING	10	10	12	15	15
DISTANCE EDUCATION					
Describe Process for Attaining & Estimating Enrollment:	Enrollment anticipates one class supported by industry in year one and two. Year three through five anticipates modest with the addition of high school dual enrollment students.				

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.)

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PROGRAM CURRICULUM

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Program, Degree or Concentration: Wastewater Plant Operator					Credit Hours: 6.00		
WWTC	1260	Wastewater Operator I	3.00	0.00	45.00	3.00	0.00
WWTC	1210	Wastewater Collection Operator I	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.

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KEYWORDS

Wastewater
Wastewater Plant Operator
Water Management