



LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

**Changing Lives,
Creating Futures**

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TO: Dr. Monty Sullivan
LCTCS President

THROUGH: Dr. Wendi Palermo WP
Chief Education and Training Officer

FROM: William Tulak WT
Director of Institutional Effectiveness

DATE: January 16, 2024

SUBJECT: Program Request at Louisiana Delta Community College

APPROVED
EW 2-7-24
LCTCS BOARD OF SUPERVISORS

FOR BOARD ACTION

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

Program Modification

1. Technical Diploma (TD) in Electrician Commercial Wiring II (CIP 46.0302) – **4 STARS**

Background: Louisiana Delta Community College (LDCC) is adding a course in solar energy to the Electrician Commercial Wiring II program, the new course will benefit students by providing them additional employment opportunities in the renewable energy sector. The credit hours required for the Technical Diploma will increase from 45 to 48.

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 LDCC to better meet student and workforce needs.

Approved for Recommendation to the Board
Dr. Monty Sullivan

2-7-2024

Date

COURSE/CURRICULUM PROPOSAL

Date of Request: 09/11/2023

Please select one:
Use a separate form for additional submissions

New Course/Curriculum
 Rename Course

Revision to Course/Curriculum
 Deletion of Course/Curriculum

Form must be completed in full, or it will be returned to the originator to complete and resubmit.

1. Reason/Justification for Change to Course or Curriculum:

The purpose of this ELEC – Electrician (Commercial Wiring II) curriculum change is to add a 3-credit hour Elective course identified by programmatic faculty. Students will choose one of the four Solar Electives. This change will increase the total hours from 45 to 48 hours to support Solar as an emerging technology.

2. General Course Information

- a. Course Title: _____
- b. Course Prefix /Number: _____
- c. Lecture Credit Hours: _____ Lab Credit Hours: _____ Total Credit Hours: _____
Lecture Clock Hours: _____ Lab Clock Hours: _____ Total Clock Hours: _____
- d. Additional Student Fees: _____
- e. Pre-Requisite(s): _____ Co-Requisite(s): _____
- f. Course Description: _____

3. Costs: (Equipment, supplies, resources, faculty): _____

4. Distance Education of Course Anticipated? Y N
- Compressed Video? Y N
- Internet? Y N

5. General Education Review? Y N

6. Is Course Transferable? Y N

To Which Institution(s)? _____

Faculty Credential Requirements (Completed by Division Chair)

Attach to this Course/Curriculum Proposal Form:

1. Syllabus (Master and Course)

SIGNATURES

Submitting Faculty

Date

Chad Stevenson Frank Dune

9-13-2023

Division Chair

Date

Recommendation to Curriculum Committee:

Vice Chancellor of Academic Affairs

Date

General Education Committee Chair (if applicable)

Date

TG

12/06/23

Curriculum Committee Chair

Date

Upon approval of course, information will be distributed to:

- Registrar
- Director of Library/LRC
- MIS/IT
- Vice Chancellor of Academic Affairs
- Academic Support Committee (if distance learning)

The approved course form and syllabus will be housed in the Vice Chancellor of Academic Affairs Office.

Louisiana Delta Community College
 Academic Year: 2023-2024
Electrician (Commercial Wiring II) – Technical Diploma
TD-ECWT

This unofficial curriculum sheet is established for guidance of students whole pursuing their education at LDCC. Courses marked below which are transferred/substitutions from another institution are not applicable to degree requirements until approved **by the Division Chair**.

| | |
|--|---|
| Program Start Date: <input style="width: 300px;" type="text"/> | |
| Name: | Student ID#: |
| Address: | Phone #: |
| City: | State: Zip Code: |

Commercial Wiring II – Technical Diploma Course Listing

| Course | Semester Completed | Institution (If not LDCC) | Transfer/Substitution Course and Approval | Hours | Grade |
|---|--------------------|---------------------------|---|-----------|------------------------|
| ELEC 1120 | | | | 6 | |
| ELEC 1210 | | | | 6 | |
| ORNT 1000 | | | | 1 | |
| | | | | 13 | Total Hours: 13 |
| CPTR 1000 | | | | 2 | |
| ELEC 1220 or ITRN 291 | | | | 3 | |
| ELEC 1230 | | | | 2 | |
| ELEC 1311 | | | | 6 | |
| ELEC 1430 | | | | 3 | |
| ELEC 2460 | | | | 2 | |
| JOBS 2450 or ITRN 291 | | | | 2 | |
| CTS-Residential Electrician (CTS-ELRS) | | | | 20 | Total Hours: 33 |
| ELEC 1330 | | | | 2 | |
| ELEC 1410 | | | | 5 | |
| ELEC 1420 | | | | 2 | |
| ELEC 1440 | | | | 3 | |
| Elective | | | | 3 | |
| TD- Commercial Wiring (TD-ECWT) | | | | 15 | Total Hours: 48 |

| Optional Electives | Semester Completed | Institution (If not Delta) | Transfer/Substitution Course and Approval | Hours | Grade | Quality Points |
|--------------------|--------------------|----------------------------|---|-------|-------|----------------|
| CSRV 1000 | | | | 3 | | |
| CSRV 2000 | | | | 3 | | |
| ENTP 1000 | | | | 3 | | |
| SOLR 1000 | | | | 3 | | |
| SOLR 1010 | | | | 3 | | |
| SOLR 1020 | | | | 3 | | |
| SOLR 1030 | | | | 3 | | |

With approval from the Division Chair, the following courses may be substituted for course requirements.

| Substitutions | Semester Completed | Institution (If not LDCC) | Transfer/Substitution Course and Approval | Hours | Grade | Quality Points |
|---------------|--------------------|---------------------------|---|-------|-------|----------------|
| ELEC 2991 | | | | 1 | | |
| ELEC 2993 | | | | 2 | | |
| ELEC 2995 | | | | 2 | | |
| ELEC 2996 | | | | 3 | | |
| ELEC 2998 | | | | 1 | | |
| ELEC 2997 | | | | 3 | | |
| ELEC 2999 | | | | 3 | | |

Total credit hours for TD: 48

Total Courses: 15

25% at LDCC: 11

Signature of Advisor: _____ Date: _____

Signature of Division Chair: _____ Date: _____

Office of the Registrar: _____ Date: _____

Comments:

TD-Electrician Commercial Wiring II - 01/12/2024

TYPE OF PROPOSED CHANGE : Curriculum Modification

PROGRAM NAME : TD-Electrician Commercial Wiring II

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 Commercial Wiring II (T.D.)

Program Delivery Mode: Standard

CIP: 460302

Credit Hours: 48.00

Contact Hours: 0.00

Technical Diploma (T.D.)

IBC: NC3
IBC: Hand
Bending

**Issuing
Body:** NC3

Course Title:
Electrical
Raceways

**Course
Prefix:** ELEC

**Course
Number:**
1220

**Credits
Awarded:**
3.00

**IBC
Awarded
upon
Completion?
: No-Test is
Required**

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.

Curriculum Modification, the previous credit hours stood at 45.

**IMPLEMENTATION DATE
(Semester and Year)**

Summer 2024

As soon as approved.

HISTORY OF PRIOR ACTIONS

Provide an overview of changes to this program.

- o Fall 2019 - Deleted all Technical Competency Areas (TCAs) from the program.
- o Fall 2023 - Added ITRN 291 (Industrial Technology Internship) to support our industrial partners by including internships as a part of the credit bearing curriculum.
- o Spring 2024 – Proposing to add a 3-credit hour Elective course identified by programmatic faculty. Students will choose one of the four Solar Electives. This change will increase the total hours from 45 to 48 hours to support Solar as an emerging technology.

JUSTIFICATION FOR THE PROPOSED CHANGE

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

The proposed change provides greater opportunity for training in high demand, high wage careers. By adding a Solar course to the program, students can benefit by providing them practical knowledge in sustainable energy, enhancing their skill set for evolving industries. For the community, it promotes environmental consciousness, contributes to renewable energy adoption, and potentially creates a skilled workforce for the growing solar sector.

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION: Distance Education

QUALIFIED FACULTY (Check all that apply)

| | | |
|---|---|---|
| <p>Use Existing Faculty: Yes</p> <p># - Full Time: 1</p> <p># - Part Time: 1</p> | <p>Hire Adjunct Faculty: No</p> <p># - 0</p> | <p>Hire Full-Time Faculty: No</p> <p># - 0</p> |
|---|---|---|

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: Specialized Training in the field, with an emphasis on competence gained through work experience. | Certification: |
|-------------------|--|-----------------------|

FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS

Department : School of Industrial Technology

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.

Support for this program will fall under the direction of the School of Industrial Technology in coordination with campus staff. It is anticipated that one full time faculty and one adjunct instructor will teach all the classes. There are adequate classroom workspaces to conduct the program coursework. Other campus resources like student services, disability counseling, and learning resource center will be accessible for students enrolled in the program. Grant funding will allow for the purchase of equipment and supplies.

ANTICIPATED ENROLLMENT:

| Students | Year One | Year Two | Year Three | Year Four | Year Five |
|---------------------------|----------|----------|------------|-----------|-----------|
| DAY | 10 | 10 | 10 | 10 | 10 |
| EVENING | 10 | 10 | 10 | 10 | 10 |
| DISTANCE EDUCATION | | | | | |

Describe Process for Attaining & Estimating Enrollment:

The TD-Electrician Commercial Wiring II has had successful enrollment in this program. There were 3 completers for the 2018-2019 AY, 6 completers for the 2019-2020 AY, 13 completions for the 2020-2021 AY, 16 completers for the 2021-2022 AY, and 12 completers for the 2022-2023 AY. We anticipate enrollment and completion to continue to steadily over the next 5 years.

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 |
|--|---------------|--------------|---------------|-----------|----------------------------|--------------|----------------|
| Program, Degree or Concentration: TD Commercial Wiring II | | | | | Credit Hours: 48.00 | | |

| | | | | | | | | |
|--|----------|--|------|------|------|----------------------------|------|--|
| Semester: Semester 1 | | | | | | Credit Hours: 18.00 | | |
| ORNT | 1000 | Freshman Seminar | 1.00 | 0.00 | 0.00 | 1.00 | 0.00 | |
| ELEC | 1120 | Basic Electricity | 2.00 | 4.00 | 0.00 | 6.00 | 0.00 | |
| ELEC | 1210 | Residential Wiring | 2.00 | 4.00 | 0.00 | 6.00 | 0.00 | |
| ELEC | 2460 | Technical Math | 1.00 | 1.00 | 0.00 | 2.00 | 0.00 | |
| ELEC | 1220 | Electrical Raceways (NC3 IBC: Hand Bending) | 1.00 | 2.00 | 0.00 | 3.00 | 0.00 | |
| ITRN | 291 | Industrial Technology Internship (will substitute for ELEC 1220 AND JOBS 2450) | 0.00 | 5.00 | 0.00 | 5.00 | 0.00 | |
| Semester: Semester 2 | | | | | | Credit Hours: 15.00 | | |
| ELEC | 1311 | Residential Wiring Installation | 5.00 | 1.00 | 0.00 | 6.00 | 0.00 | |
| ELEC | 1230 | National Electric Code | 2.00 | 0.00 | 0.00 | 2.00 | 0.00 | |
| CPTR | 1000 | Introduction to Computers | 1.00 | 1.00 | 0.00 | 2.00 | 0.00 | |
| ELEC | 1430 | Blueprint Interpretation | 1.00 | 2.00 | 0.00 | 3.00 | 0.00 | |
| JOBS | 2450 | Job Seeking Skills | 2.00 | 0.00 | 0.00 | 2.00 | 0.00 | |
| Program, Degree or Concentration: Certificate of Technical Studies in Electrician: Residential Electrician | | | | | | Credit Hours: 33.00 | | |
| Semester: Semester 3 | | | | | | Credit Hours: 15.00 | | |
| ELEC | 1330 | Generators/Motors & Transformers | 2.00 | 0.00 | 0.00 | 2.00 | 0.00 | |
| ELEC | 1410 | Commercial Wiring II | 1.00 | 4.00 | 0.00 | 5.00 | 0.00 | |
| ELEC | 1420 | Intro to Motor Controls | 2.00 | 0.00 | 0.00 | 2.00 | 0.00 | |
| ELEC | 1440 | Motor Controls | 0.00 | 3.00 | 0.00 | 3.00 | 0.00 | |
| SOLR | Elective | 1000: Solar Fundamentals/ 1010: PV Solar Applications/ 1020: Industrial Solar Applications/ 1030: Thermal Applications | 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.

Our goal is to provide greater opportunity for training in high demand, high wage careers. By adding Solar courses to the program, students can benefit by providing them practical knowledge in sustainable energy, enhancing their skill set for evolving industries. For the community, it promotes environmental consciousness, contributes to renewable energy adoption, and potentially creates a skilled workforce for the growing solar sector. There is high demand for those with skills related to this program. By providing certificate training, we can address the high unemployment and immediate need in the industry.

KEYWORDS

Signature: *Wendi Palermo*

Email: wendipalermo@lctcs.edu

Signature: *William Tulak*

Email: williamtulak@lctcs.edu












Consent Agenda - LDCC

Final Audit Report

2024-01-31

| | |
|-----------------|--|
| Created: | 2024-01-31 |
| By: | Ericka Poole (erickapoole@lctcs.edu) |
| Status: | Signed |
| Transaction ID: | CBJCHBCAABAAELzyFcqseH82lXXOoLFNluxoejmankSy |

"Consent Agenda - LDCC" History

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