



LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

Changing Lives,
Creating Futures

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Community
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College System

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TO: Dr. Monty Sullivan
LCTCS President

THROUGH: Dr. Paul Carlsen
Chief Content Officer

FROM: Dr. René Cintrón
Executive Director, Education and Research

SUBJECT: Program Revisions at Northshore Technical Community College

DATE: 01/20/2017

FOR BOARD ACTION:

Recommendation: Staff recommends that the Board approve the program revisions listed below:

Program Revisions

- 1. Associate of Applied Science (AAS) in Technical Studies: Welding (CIP 47.9999) - 5 STARS
2. Technical Diploma (TD) in Welding (CIP 48.0508) - 5 STARS

Background: In order to increase student retention and graduation, the Welding curriculum is being aligned with other technical programs at NTCC. The AAS and TD are changing credit and contact hours from 75/2025 to 60/1590 and 60/1800 to 45/1365, respectively. The embedded NCCER certifications are not impacted by this curriculum revision.

Fiscal Impact: There are no anticipated expenditures associated with these modifications. Faculty and resources are already allocated under existing curriculum. By reducing the credit hours to a standard 60 credit hours the overall cost of the program to the students are reduced and costs to the college are also reduced.

History of Prior Actions: There is a history of modifying programs to meet student and workforce needs.

Benefits to the System: These modifications will allow NTCC to better meet student and workforce needs in other areas.

Approved for Recommendation to the Board
Dr. Monty Sullivan

Date



**LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE  
SYSTEM**

**New Program and Curriculum Modification Form**

<b>TYPE OF PROPOSED CHANGE</b>	
<input type="checkbox"/> New Program	<input checked="" type="checkbox"/> Curriculum Modification

<b>AWARD LEVEL(S)</b>	
Award Level(s): <input checked="" 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 Name: <input type="text"/>	<input checked="" type="checkbox"/> Technical Diploma (T.D.) <input type="checkbox"/> Technical Competency Area (T.C.A.) <input type="checkbox"/> Certificate of Technical Studies (C.T.S.) <input type="checkbox"/> Certificate of Applied Science (C.A.S.) <input type="checkbox"/> Certificate of General Studies (C.G.S.)

<b>NAME OF PROGRAM(S) and AWARD LEVEL(S)</b>			
Name: Technical Studies: Welding			
CIP: 47.9999	Credit Hours: 60	Contact Hours: 1590	Award Level: AAS
Name: Welding			
CIP: 48.0508	Credit Hours: 45	Contact Hours: 1365	Award Level: TD
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:

<b>DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)</b>
AAS Technical Studies: Welding reduction from 75/2025 to 60/1590 TD Welding reduction from 60/1800 to 45/1365

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

In order to increase student retention and graduation, we have aligned the Welding curriculum to reflect other technical programs.

**IMPLEMENTATION DATE (Semester and Year)**

Spring 2017 Semester

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

Main Campus

All Campuses

Sites (list below)

Site 1: Sullivan Main Campus, 1710 Sullivan Drive, Bogalusa, LA 70427

Site 2: Hammond Area Branch Campus, 111 Pride Drive, Hammond, LA 70401

Site 3: Florida Parishes Branch Campus, 7067 Hwy 10, Greensburg, LA 70441

Site 4: Pearl River Instructional Service Center, 39110 Rebel Lane, Pearl River, LA 70452

Site 5: B.B. "Sixty" Rayburn Correctional Center, 27268 Highway 21, Angie, LA 7026

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

5 Stars

4 Stars

3 Stars

2 Stars

1 Star

**PLAN FOR PROVIDING QUALIFIED FACULTY (Check all that apply)**

Use Existing Faculty

#: 7

Hire Adjunct Faculty

#: \_\_\_\_\_

Hire Full-Time Faculty

#: \_\_\_\_\_

**MINIMUM CREDENTIALS REQUIRED FOR FACULTY**

Education: Associate Degree

Experience: Yes

Certification: NCCER

**ANTICIPATED ENROLLMENT:**

Students	Year One	Year Two	Year Three	Year Four	Year Five
<u>DAY</u>					
<u>EVENING</u>					



Second Semester						
Third Semester						
Fourth Semester						
Fifth Semester						

Sixth Semester						

**SIGNATURES:**

*Daniel R. Burt*  
College Chief Academic Officer

1/11/17  
Date

*William S. Dinnig*  
College Chief Executive Officer

1/11/17  
Date

## Welding Program

Associate of Applied Science (AAS)

Technical Diploma (TD)

Certificate of Technical Studies (CTS)

Technical Competency Area Certificate (TCA)

Course	Title	Lecture	Lab	Credit	Clock
WELD 1110	Occupational Orientation & Safety	2	1	3	60
WELD 1120	Basic Blueprint, Metallurgy, & Weld Symbols	2	1	3	75
WELD 1130	Welding Inspection, & Testing	1	1	2	60
WELD 1210	Oxyfuel Systems	1	1	2	60
WELD 1310	Cutting Processes CAC/PAC	1	1	2	45
WELD 1410	SMAW Basic Beads	1	1	2	60
WELD 1411	SMAW Fillet Weld	0	3	3	105
WELD 1412	SMAW V-Groove Bw/Gouge	0	3	3	105
WELD 1420	SMAW V-Groove Bw/Gouge	1	3	4	120
WELD 2110	FCAW Basic Fillet Welds	1	2	3	105
WELD 2210	GTAW Basic Multi-Joint	1	2	3	105
WELD 2310	GMAW Basic Fillet Weld	1	2	3	105
<b>Program Core Totals</b>				<b>33</b>	<b>1005</b>

Required Electives select from the following:

<b>SMAW Process</b>				<b>12</b>	<b>360</b>
WELD 1510	SMAW Pipe 2G	1	3	4	120
WELD 1511	SMAW Pipe 5G	0	4	4	120
WELD 1512	SMAW Pipe 6G	0	4	4	120
<b>FCAW Process</b>					
WELD 2112	FCAW Pipe 5G	1	3	4	120
WELD 2113	FCAW Pipe 2G	0	4	4	120
WELD 2114	FCAW Pipe 6G	0	4	4	120
<b>GTAW Process</b>					
WELD 2220	GTAW Pipe 5G	1	3	4	120
WELD 2221	GTAW Pipe 2G	0	4	4	120
WELD 2222	GTAW Pipe 6G	0	4	4	120
<b>GMAW Process</b>					
WELD 2320	GMAW Pipe 2G	1	3	4	120
WELD 2321	GMAW Pipe 5G	0	4	4	120
WELD 2322	GMAW Pipe 6G	0	4	4	120

TD Welding (CIP 480508)

45 1365

General Education Core

ENGL 1015	English Composition I	3	0	3	45
Math. Elective (MATH 1005, MATH 1015, or MATH 1500)		3	0	3	45
Natural Science Elective		3	0	3	45
Behavioral Science Elective		3	0	3	45
Humanities Elective		3	0	3	45
<b>AAS Technical Studies (CIP 479999)</b>				<b>60</b>	<b>1590</b>

With approval from the Dean of Technical Education, the following courses may be substituted for any of the above course requirements:

WELD 2991	Special Projects I	0	1	1	30
WELD 2993	Special Projects II	0	2	2	60
WELD 2995	Special Projects III	0	3	3	90
WELD 2996	Special Projects IV	3	0	3	45
WELD 2997	Practicum	0	3	3	135
WELD 2999	Cooperative Education	0	3	3	135

Additional Credit Points:

WELD 1110	Occupational Orientation & Safety	2	1	3	60
WELD 1130	Welding Inspection, & Testing	1	1	2	60
<b>TCA Welder Helper</b>				<b>5</b>	<b>120</b>
WELD 1110	Occupational Orientation & Safety	2	1	3	60
WELD 1210	Oxyfuels Systems	1	1	2	60
<b>TCA Thermal Cutter</b>				<b>5</b>	<b>120</b>
WELD 1110	Occupational Orientation & Safety	2	1	3	60
WELD 1140	Electrical Fundamentals	1	1	2	45
WELD 1310	Cutting Processes - CAC/PAC	1	1	2	45
<b>TCA Arc Cutter</b>				<b>7</b>	<b>150</b>

WELD 1110	Occupational Orientation & Safety	2	1	3	60
WELD 1120	Basic Blueprint, Metallurgy & Weld Symbols	2	1	3	75
WELD 1210	Oxyfuels Systems	1	1	2	60
WELD 1410	SMAW - Basic Beads	1	1	2	60
<b>TCA - Tech. Welder/Fitter Helper</b>				<b>10</b>	<b>255</b>
WELD 1110	Occupational Orientation & Safety	2	1	3	60
WELD 1210	Oxyfuels Systems	1	1	2	60
WELD 1310	Cutting Processes - CAC/PAC	1	1	2	45
WELD 2210	GTAW - Basic Multi-joint	1	2	3	105
Welding Electives (GTAW courses only)				12	360
<b>CTS Arc Welder GTAW</b>				<b>22</b>	<b>630</b>
WELD 1110	Occupational Orientation & Safety	2	1	3	60
WELD 1210	Oxyfuels Systems	1	1	2	60
WELD 1310	Cutting Processes - CAC/PAC	1	1	2	45
WELD 2310	GMAW - Basic Fillet Weld	1	2	3	105
Welding Electives (GMAW courses only)				12	360
<b>CTS Arc Welder GMAW</b>				<b>22</b>	<b>630</b>
WELD 1110	Occupational Orientation & Safety	2	1	3	60
WELD 1210	Oxyfuels Systems	1	1	2	60
WELD 1310	Cutting Processes - CAC/PAC	1	1	2	45
WELD 2110	FCAW - Basic Fillet Welds	1	2	3	105
Welding Electives (FCAW courses only)				12	360
<b>CTS Arc Welder FCAW</b>				<b>22</b>	<b>630</b>
WELD 1110	Occupational Orientation & Safety	2	1	3	60
WELD 1210	Oxyfuels Systems	1	1	2	60
WELD 1310	Cutting Processes - CAC/PAC	1	1	2	45
WELD 1410	SMAW - Basic Beads	1	1	2	60
WELD 1420	SMAW - V - Groove Open	1	3	4	120
Welding Electives (SMAW courses only)				12	360
<b>CTS Arc Welder SMAW</b>				<b>25</b>	<b>705</b>