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LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

TO: Dr. Monty Sullivan  
LCTCS President

APPROVED

THROUGH: Dr. Paul Carlsen  
Chief Content Officer

*Paul Carlsen*  
*slk 4/12/17*

LCTCS BOARD OF SUPERVISORS

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

SUBJECT: Program Modification at River Parishes Community College

DATE: 03/23/2017

**FOR BOARD ACTION:**

**Recommendation:** Staff recommends that the Board approve the program modification listed below.

**Program Revisions**

1. Technical Diploma (TD) in Welding Technology (CIP 48.0508) – 5 STARS

**Background:** RPCC is streamlining the program by creating a flow of courses within the program that ensures we are best preparing students to meet business and industry needs with their education. The program requires less credit and contact hours while maintaining the level of rigor required by the American Welding Society from which students earn Industry-Based Certifications while earning credit for the degree. The modification places emphasis on efficient and cost-effective models of curriculum development that promote increased enrollment and program completion while maintaining the rigor of the student learning outcomes.

**Fiscal Impact:** There are no anticipated expenditures associated with these addition or revisions. Faculty and resources under the existing curriculum will be allocated to the new programs.

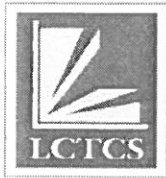
**History of Prior Actions:** There is a history of revising curriculum and programs to meet industry demands and well as student transfer needs.

**Benefits to the System:** These modifications will allow RPCC to better meet workforce and transfer needs of the community.

Approved for Recommendation to the Board  
Dr. Monty Sullivan

*Monty Sullivan*

4-12-17  
Date



## LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

### New Program and Curriculum Modification Form

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

AWARD LEVEL(S)	
Award Level(s): <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 Name: _____	<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.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Welding Technology			
CIP: 480508	Credit Hours: 55	Contact Hours: 1245	Award Level: T.D.
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:

<b>DESCRIBE THE PROPOSED CHANGE</b> (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)
Previous credit hours = 58 Previous clock hours = 1,455

<p>REASON/JUSTIFICATION FOR THE PROPOSED CHANGE (Include support such as four-year university agreements, industry demand, advisory board information, etc.)</p> <p>Proposed changes are being implemented to streamline the welding program, create better flow of courses within the program, and ensure that we are best preparing our students to meet business and industry needs with their education.</p>
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IMPLEMENTATION DATE (Semester and Year)	Fall 2017
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SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION		
<input type="checkbox"/> Main Campus	<input checked="" type="checkbox"/> All Campuses	<input type="checkbox"/> Sites (list below)
Site 1:		
Site 2:		
Site 3:		
Site 4:		

LOUISIANA WORKFORCE COMMISSION STAR LEVEL ( <a href="http://www.laworks.net/Stars/">http://www.laworks.net/Stars/</a> )				
<input checked="" type="checkbox"/> 5 Stars	<input type="checkbox"/> 4 Stars	<input type="checkbox"/> 3 Stars	<input type="checkbox"/> 2 Stars	<input type="checkbox"/> 1 Star

PLAN FOR PROVIDING QUALIFIED FACULTY (Check all that apply)		
<input checked="" type="checkbox"/> Use Existing Faculty #: 3	<input type="checkbox"/> Hire Adjunct Faculty #: _____	<input type="checkbox"/> Hire Full-Time Faculty #: _____

MINIMUM CREDENTIALS REQUIRED FOR FACULTY
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<p><b>Education:</b> Master's degree or higher in the teaching discipline, OR</p> <p>Master's degree in any discipline with 18 graduate semester hours in the teaching discipline, OR</p> <p>Bachelor's degree in the teaching discipline, OR</p> <p>Bachelor's or Associate degree in any discipline with 18 semester hours in the teaching discipline (graduate, undergraduate, or a combination) and teaching certification at the middle or secondary level or prior college teaching experience.</p>	<p><b>Experience:</b> Documented work experience directly related to the course(s) being taught, OR</p> <p>Successful completion of a minimum of 18 undergraduate hours directly related to course(s) being taught with work experience related to the course being taught</p>	<p><b>Certification:</b> Professional, nationally recognized, achievement-based certification OR</p> <p>Licensure in the course(s) being taught</p>
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<b>ANTICIPATED ENROLLMENT:</b>					
Students	Year One	Year Two	Year Three	Year Four	Year Five
<u>DAY</u>	<u>25</u>	<u>30</u>	<u>35</u>	<u>40</u>	<u>45</u>
<u>EVENING</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>15</u>	<u>15</u>
Describe Process for Attaining & Estimating Enrollment:	Based upon our current enrollment numbers and with the projected inclusion of students from our realigned site in Reserve, we anticipate our enrollment numbers to increase. The evening cohort reflects our partnership with the National Guard Youth Challenge Program.				

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

**DESCRIBE IMPLEMENTATION COSTS** (Include Faculty, Facilities, Library Resources, etc )



No new costs should be incurred.

### 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)

Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours
<b>First Semester - OLD</b>						
WELD	1005	Occupational Orientation & Welding Safety (includes NCCER Core) (no change)	4	1	90	5
WELD (OR MATH)	1000	Applied Math (no change)	2	0	30	2
WELD	1403	<b>SMAW Beads</b> (course removed – content covered in WELD 1415)	0	3	90	3
WELD	1415	<b>SMAW Fillet Welds</b> (renamed SMAW Beads and Fillet Welds)	1	4	135	5
WELD	1211	Oxyfuel Cutting (no change)	0	1	30	1
WELD	1121	<b>Welding Symbols, Detailed Drawings, and SMAW Equipment and Set Up</b> (renamed Detailed Drawings, Welding Symbols)	1	0	15	1
WELD	1321	<b>Plasma Arc Cutting and Air Carbon Arc Cutting &amp; Gouging</b> (moved from 1 <sup>st</sup> to 2 <sup>nd</sup> semester)	0	1	30	1

First Semester - NEW						
WELD	1005	Occupational Orientation & Welding Safety (includes NCCER Core)	4	1	90	5
WELD (OR MATH)	1000	Applied Math	2	0	30	2
WELD	1401	<b>Base Metal Preparation, Joint Fit Up, &amp; Alignment</b> (course name and description change) (moved from 2 <sup>nd</sup> to 1 <sup>st</sup> semester)	1	0	15	1
WELD	1121	<b>Detailed Drawings, Welding Symbols</b> (course name and description change)	1	0	15	1
WELD	1211	Oxyfuel Cutting	0	1	30	1
WELD	1405	<b>Shielded Metal Arc Electrodes, SMAW Equipment &amp; Set Up</b> (new course)	1	0	15	1
WELD	1415	<b>SMAW Beads and Fillet Welds</b> (course name and description change)	3	2	105	5
Second Semester - OLD						
WELD	1401	<b>Shielded Metal Arc Electrodes, Base Metal Preparation and Joint Fit Up &amp; Alignment</b> (renamed Base Metal Preparation, Joint Fit Up & Alignment)	0	1	30	1
WELD	1432	<b>SMAW Groove Welds with Backing</b> (removed from program guide)	0	2	60	2
WELD	1425	SMAW Open V Groove Welds (no change)	1	4	135	5
WELD	1134	<b>Welding Inspection and Welding Processes</b> (removed from program guide)	2	2	90	4



<b>WELD</b>	<b>1171</b>	<b>GMAW, FCAW, GRAW Equipment and Filler Metals</b> (renamed GMAW and FCAW Equipment and Filler Metals) (moved from 2 <sup>nd</sup> to 3 <sup>rd</sup> semester)	<b>0</b>	<b>1</b>	<b>30</b>	<b>1</b>
<b>WELD</b>	<b>2104</b>	<b>GTAW Plate</b> (renamed GTAW Equipment and Filler Metals and GTAW Plate) (moved from 4 <sup>th</sup> to 2 <sup>nd</sup> semester)	<b>1</b>	<b>3</b>	<b>105</b>	<b>4</b>
<b>Second Semester - NEW</b>						
<b>WELD</b>	<b>1321</b>	<b>Plasma Arc Cutting and Air Carbon Arc Cutting and Gouging</b> (moved from 1 <sup>st</sup> to 2 <sup>nd</sup> semester)	<b>0</b>	<b>1</b>	<b>30</b>	<b>1</b>
<b>WELD</b>	<b>1425</b>	<b>SMAW Open V Groove Welds</b> (course description change)	<b>3</b>	<b>2</b>	<b>105</b>	<b>5</b>
<b>WELD</b>	<b>1130</b>	<b>Welding Inspection and Weld Quality</b> (course name and description change) (added back to program guide)	<b>1</b>	<b>1</b>	<b>45</b>	<b>2</b>
<b>WELD</b>	<b>1161</b>	<b>Physical Characteristics of Metals, Pre-Heating and Post-Heating of Metals</b> (course name and description change) (moved from 4 <sup>th</sup> to 2 <sup>nd</sup> semester)	<b>1</b>	<b>0</b>	<b>15</b>	<b>1</b>
<b>WELD</b>	<b>1512</b>	<b>SMAW Open Root Pipe Welds</b> (course name and description change) (added back to program guide)	<b>2</b>	<b>2</b>	<b>90</b>	<b>4</b>
<b>Third Semester - OLD</b>						
<b>WELD</b>	<b>2155</b>	<b>GMAW &amp; FCAW Plate</b> (no change)	<b>1</b>	<b>3</b>	<b>105</b>	<b>4</b>
<b>WELD</b>	<b>2374</b>	<b>GMAW Pipe</b> (no change)	<b>1</b>	<b>3</b>	<b>105</b>	<b>4</b>
<b>WELD</b>	<b>2255</b>	<b>GTAW Carbon Steel Pipe</b> (moved from 3 <sup>rd</sup> to 4 <sup>th</sup> semester)	<b>1</b>	<b>4</b>	<b>135</b>	<b>5</b>

<b>WELD</b>	<b>2264</b>	<b>GTAW Low Alloy &amp; Stainless Steel Pipe</b> (moved from 3 <sup>rd</sup> to 4 <sup>th</sup> semester)	<b>1</b>	<b>3</b>	<b>105</b>	<b>4</b>
WELD	2154	FCAW Pipe (no change)	1	3	105	4
<b>WELD</b>	<b>1161</b>	<b>Physical Characteristics of Metals &amp; Pre-Heating and Post-Heating of Metals, Weld Quality</b> (renamed Physical Characteristics of Metals and Pre-Heating and Post-Heating of Metals) (moved from 3 <sup>rd</sup> to 2 <sup>nd</sup> semester)	<b>0</b>	<b>1</b>	<b>30</b>	<b>1</b>
Third Semester - NEW						
<b>WELD</b>	<b>1171</b>	<b>GMAW and FCAW Equipment and Filler Metals</b> (course name and description change)	<b>1</b>	<b>0</b>	<b>15</b>	<b>1</b>
WELD	2155	GMAW & FCAW Plate	1	3	105	4
WELD	2374	GMAW Pipe	1	3	105	4
WELD	2154	FCAW Pipe	1	3	105	4
Fourth Semester – OLD						
n/a						
Fourth Semester – NEW						
<b>WELD</b>	<b>2104</b>	<b>GTAW Equipment and Filler Metals &amp; GTAW Plate</b> (course name and description change) (moved from 2 <sup>nd</sup> to 4 <sup>th</sup> semester)	<b>2</b>	<b>2</b>	<b>90</b>	<b>4</b>
<b>WELD</b>	<b>2255</b>	<b>GTAW Carbon Steel Pipe</b> (moved from 3 <sup>rd</sup> to 4 <sup>th</sup> semester)	<b>1</b>	<b>4</b>	<b>135</b>	<b>5</b>
<b>WELD</b>	<b>2264</b>	<b>GTAW Low Alloy &amp; Stainless Steel Pipe</b> (moved from 3 <sup>rd</sup> to 4 <sup>th</sup> semester)	<b>1</b>	<b>3</b>	<b>105</b>	<b>4</b>
Fifth Semester						
n/a						



Sixth Semester						
n/a						

**SIGNATURES:**

  
College Chief Academic Officer

3-20-17  
Date

  
College Chief Executive Officer

3-20-17  
Date