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LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

TO: Dr. Monty Sullivan
LCTCS President

THROUGH: Dr. Paul Carlsen
Chief Content Officer

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

SUBJECT: Program Additions at Bossier Parish Community College

DATE: 03/23/2017

FOR BOARD ACTION:

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

Program Additions

1. Associate of Applied Science (AAS) in Systems Administrator (CIP 11.1001) – **5 STARS**
2. Technical Diploma (TD) in Criminal Justice (CIP 43.0104) – **4 STARS**
    a. Certificate of Technical Studies (CTS) in Police/Community Relations (CIP 43.0104) – **4 STARS**
    b. Certificate of Technical Studies (CTS) in Police Procedures (CIP 43.0104) – **4 STARS**
    c. Certificate of Technical Studies (CTS) in Criminal Justice Investigation (CIP 43.0104) – **4 STARS**
    d. Certificate of Technical Studies (CTS) in Corrections (CIP 43.0104) – **4 STARS**
3. Certificate of Technical Studies (CTS) in Advanced Welding Technology (CIP 48.0508) – **5 STARS**
4. Certificate of Technical Studies (CTS) in Engineering Graphics (CIP 15.1301) – **5 STARS**
5. Technical Competency Area (TCA) in Certified Production Technician (CIP 15.0699) – **5 STARS**

Background: BPCC is proposing the creation of an AAS in Systems Administration. The Louisiana Workforce Commission estimates total employment for systems administration jobs at 260, which ranks only 2nd to the 360 jobs for computer user support specialists in Louisiana. Bossier Parish ranks 1st in Louisiana in the number of systems administration job openings. In January 2017, BPCC participated in CSRA's 2017 Academic Summit where CSRA hiring managers and content experts met with BPCC faculty and staff to discuss industry trends, company needs, and academic program

alignment. ln response to industry demands, the AAS with concentrations in Enterprise Information Technology & Development and in Software Development & Information Technology Operations (DevOps) was created.

BPCC is expanding student options in Criminal Justice training, enabling employment opportunities and/or enhancing advancement in current employment. Police agencies have a greater demand for graduates to demonstrate specialized skill in a particular area of police work, to practice firm ethical standards, and communicate well with the public and their communities. The TD and CTS proposals stack into the AAS in Criminal Justice. The proposed stackable credentials in Criminal Justice offer the student the ability to acquire more than one skill area and receive recognition for that training. By targeting specific information and skills, the CTS programs proposed provide new hires valuable training and incumbent workers new avenues for promotion and advancement.

The CTS in advanced welding consists of courses that will prepare students to work at an advanced level in industrial welding. The program meets the requirements of the American Welding Society (AWS) EG3.0-96 Guide for the Training and Qualification of Welding Personnel: Level II - Advanced Welders. This certificate program has been developed to produce a well-rounded AWS SENSE Level II Advanced Welder who can work in industries such as manufacturing, oil and gas, construction.

The CTS in Engineering Graphics prepares students to work in design and drafting in industrial, manufacturing, and architectural areas. This certificate has been developed to produce a well-rounded entry-level graphic designer who can work in any industry: manufacturing, logistics, oil and gas, construction, and more. The Industrial Technology advisory board, which is associated with the AAS program in Industrial Technology with a concentration in Engineering Graphics has discussed and endorsed the CTS program because there is a need for Engineering Graphics trained employees at the CTS level as well as the AAS level.

Fiscal Impact: The new Systems Administration program will predominantly use existing courses and faculty members. However, the new program will include the addition of two new proposed courses (Introduction to Scripting and Introduction to Virtualization Concepts). The development for these courses will be paid for through BPCC's Cooperative Endeavor Agreement with LED and the State of Louisiana. One of the main deliverables of the grant is to help pay for course development, adjunct faculty, and instructional supplies.

The CTS in Advance Welding Technology implementation costs have been funded by the TAACCCT 4 grant. All resources including faculty, facilities, lab equipment, and library resources are already available.

For the remaining programs, there are no anticipated expenditures associated with the addition of these programs. Faculty and resources under the existing curriculum will be allocated to the new programs.

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

Benefits to the System: These additions will allow BPCC to better meet student and workforce needs.

Approved for Recommendation to the Board
Dr. Monty Sullivan

Date

LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

New Program and Curriculum Modification Form

TYPE OF PROPOSED CHANGE	
☒ New Program	☐ Curriculum Modification

AWARD LEVEL(S)	
Award Level(s):	
☒ Associate of Applied Science (A.A.S.)	☐ Technical Diploma (T.D.)
☐ Associate of Science (A.S.)	☐ Technical Competency Area (T.C.A.)
☐ Associate of Arts (A.A.)	☐ Certificate of Technical Studies (C.T.S.)
☐ Other Associate Degree	☐ Certificate of Applied Science (C.A.S.)
Name: _____	☐ Certificate of General Studies (C.G.S.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Systems Administration (Enterprise Information Technology & Development Concentration)			
CIP: 11.1001	Credit Hours: 60	Contact Hours: 960	Award Level: A.A.S.
Name: Systems Administration (DevOps)			
CIP: 11.1001	Credit Hours: 60	Contact Hours: 960	Award Level: A.A.S.
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:

DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)

To meet industry demand, BPCC proposes to create a new academic program with two concentrations, the first being an AAS in Systems Administration (Enterprise Information Technology & Development concentration) and the second being an AAS in Systems Administration (DevOps concentration). Both concentrations will have a total of 60 credit hours and 960 contact hours and will be offered through the Division of Technology, Engineering, and Mathematics. No other programs will be terminated as a result of the new program being developed. Two new courses will be developed (Introduction to Scripting and Introduction to Virtualization Concepts) and will be included in the newly proposed program.

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

REASONING FOR THE NEW PROGRAM

In 2014, BPCC and CSRA entered into a ten-year partnership to meet the growing needs of the IT industry in Louisiana. Since that time, CSRA has been committed to BPCC and has provided invaluable insights to help update BPCC's curriculum and IT programs. As a result of the partnership, CSRA has already hired more than 50 BPCC students.

In January 2017, BPCC participated in CSRA's 2017 Academic Summit where CSRA hiring managers and content experts met with BPCC faculty and staff to discuss industry trends, company needs, and academic program alignment. In follow-up curricular meetings with CSRA, BPCC learned that CSRA had a hiring need for more systems administrators, but CSRA felt that there were no truly established academic programs that aligned to the occupation needs.

In response to industry demands, BPCC is proposing the creation of an AAS in Systems Administration with a concentration in Enterprise Information Technology & Development and another concentration in DevOps. The AAS degree program would provide a more comprehensive foundation fully vetted by an industry partner which would have a meaningful exit point into employment. Both concentrations would blend existing CIT and CIS courses. In the event that a course needed to be developed in the future, BPCC's existing CSRA/LED grant can provide funding to support the need.

PROGRAM SUPPORT

A. **Labor Market Information** - The Louisiana Workforce Commission (LA Workforce) provides labor market information for the state of Louisiana and shows systems administration jobs as being in high demand and also having a "bright outlook nationally". The data furthermore identifies systems administration as a 5-star occupation with an average annual salary of $61,556 in Louisiana ($35,365 for lowest 10% and $98,379 for the highest 10%). LA Workforce also estimates total employment for systems administration jobs at 260, which ranks only 2nd to the 360 jobs for computer user support specialists in Louisiana. Based on additional LA Workforce data as of February 2017,

Bossier Parish ranks 1st in Louisiana in the number of systems administration job openings (19) *(see Appendix A)*.

The table below shows the number of jobs per occupation that are mapped to BPCC IT programs and highlighted in yellow is the newly added jobs that would be available to BPCC students with the addition of the systems administration program.

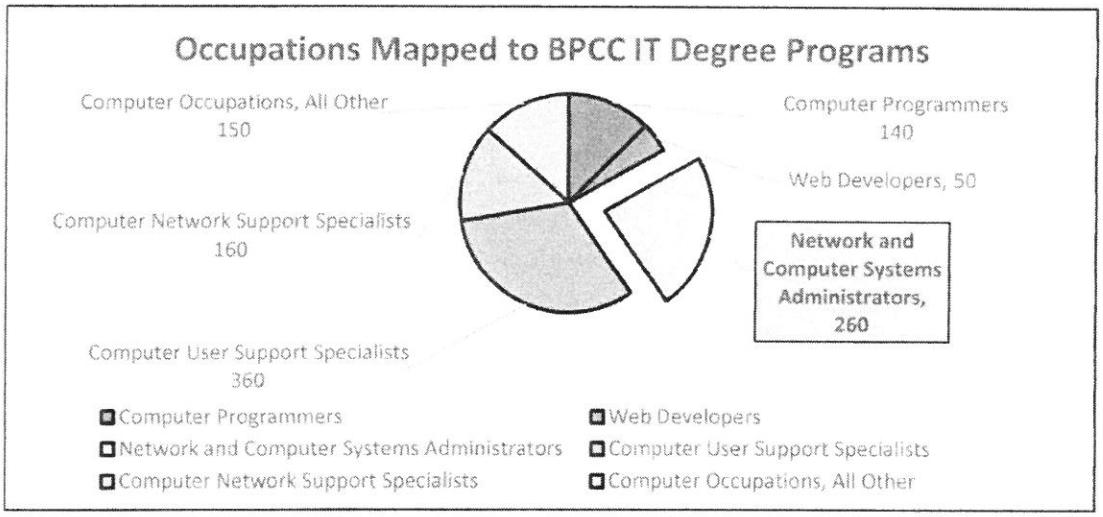


Table 1: The table reflects all of the occupations that will be aligned to BPCC IT programs with the addition of the newly developed AAS in Systems Administration and also includes the number of IT jobs in Louisiana per focus area.

B. **Industry Support** – CSRA's Systems Administration Manager and the Application Development Manager have been instrumental in the design of the two new concentrations. BPCC representatives have collaborated with the managers to build a comprehensive program that would give our students the best possible opportunity to "hit the ground running" as new-hires and will improve the average time for students to acclimate to the duties of a systems administrator.

CSRA's need for systems administrators is not a future need but is a current need. In fact, CSRA has posted openings for Junior Windows Systems Administrators that BPCC students would be able to apply to upon graduating *(see Appendix B)*.

Since 2014, CSRA has hired more graduates from BPCC than any other employer. Having a committed industry partner's input and support behind the program will help feed the pipeline of BPCC students to CSRA. To further show its support CSRA has written a letter of support for the new program *(see attached letter)*.

Also, the two contributing managers to the development of this program will now serve on BPCC's advisory board along with the current CSRA members in order to provide continuous programmatic feedback.

C. **Impact on other Programs** – After meeting with industry experts and performing our research, we found that system administration was sizeable sector of companies' business models yet it was not being served by our current programs

and others across the state. By creating a new program to meet this need, the total number of job positions available to BPCC students will actually increase. Because of its additive nature, BPCC's other programs are not at risk of being eliminated. As shown in the table below, no current programs are aligned to systems administration jobs.

Systems Admin.	Computer Info. Systems	CIT Network Security	CIT Program. Analyst	Occupation Title	Estimated Employment
	X	X		Computer User Support Specialists	360
X				Network & Computer Systems Administrators	260
		X		Computer Network Support Specialists	160
	X	X		Computer Occupations, All Other	150
			X	Computer Programmers	140
			X	Web Developers	50

Table 2: The table shows all BPCC IT programs and maps them to various occupations while also comparing estimated employment totals.

IMPLEMENTATION DATE (Semester and Year)	Fall 2017

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION

☒ Main Campus	☐ All Campuses	☐ Sites (list below)
Site 1: Bossier Parish Community College		
Site 2:		
Site 3		
Site 4:		

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

☒ 5 Stars ☐ 4 Stars ☐ 3 Stars ☐ 2 Stars ☐ 1 Star

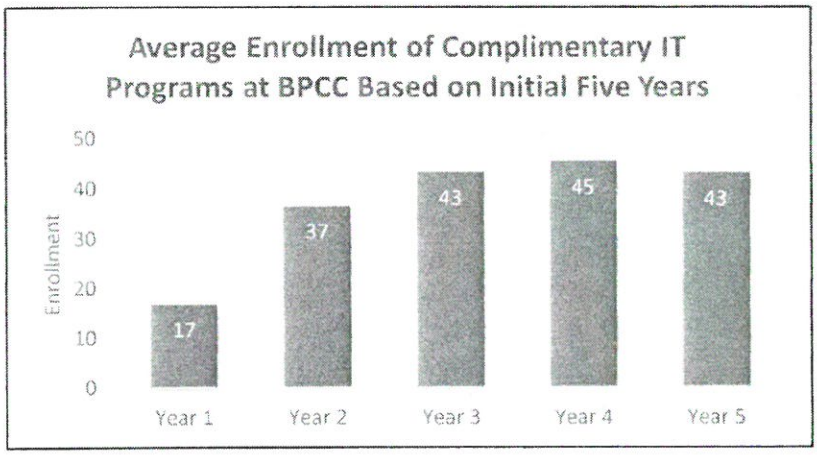
PLAN FOR PROVIDING QUALIFIED FACULTY (Check all that apply)

☒ Use Existing Faculty #: 6-7	☒ Hire Adjunct Faculty #: 1	☐ Hire Full-Time Faculty #: _____

MINIMUM CREDENTIALS REQUIRED FOR FACULTY

Education: Masters Degree	Experience:	Certification:

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY	14	26	30	34	38
EVENING	2	4	5	6	7
TOTAL	15	30	35	40	45

ANTICIPATED ENROLLMENT:	
Describe Process for Attaining & Estimating Enrollment:	A. **Previous Enrollment Experience** – In order to estimate the enrollment for the initial five years of the program, enrollment data was analyzed and averaged out for the initial five years of seven complementary IT programs/concentrations *(see Appendix C).* The estimates above reflect the total of both concentrations of the Systems Administration program and are derived from the table below.  *Table 3: The table shows the average of seven complementary IT programs offered by BPCC during the initial five years of each program.* B. **Labor Market Information** - As discussed in the section "Reason/Justification for the Proposed Change" on page 2, the labor market information for Northwest Louisiana helps support these estimates by showing a high demand for systems administration jobs. Additionally, Bossier Parish ranks 1st in Louisiana for the number of systems administration job openings at 19 as of February, 2017. C. **Industry Support** – The Systems Administration Manager and the Application Development Manager from CSRA have been instrumental in the design of the two concentrations. They will both serve on BPCC's advisory board. CSRA has also provided a letter of support for the new program. CSRA's support is further justification for projecting the enrollment numbers above.

PROGRAM ACCREDITATION:		
Is Program Accreditation, Licensure or Certification Required?	☐ Yes	☒ No
	If YES, please provide projected accreditation/licensure/certification date: Accreditation is not required for program implementation but BPCC will seek to have it accredited for added value.	
Type/Name of Program Accreditation, Licensure or Certification Required:	ATMAE (Association of Technology, Management, and Applied Engineering)	

DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)
The new Systems Administration program will predominantly use existing courses and faculty members from the CIT and CIS programs. However, the new program will include the addition of two new proposed courses (Introduction to Scripting and Introduction to Virtualization Concepts). The development for these courses will be paid for through BPCC's Cooperative Endeavor Agreement with LED and the State of Louisiana. One of the main deliverables of the grant is to help pay for course development, adjunct faculty, and instructional supplies.

PROGRAM CURRICULUM - **Systems Administration (Enterprise Information Technology & Development Concentration)**

(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
First Semester						
CIT	**102**	**Problem Solving & Programming Techniques**	**3**		**48**	**3**
CIT	**112**	**Support of Emerging Technologies**	**3**		**48**	**3**
CIS	**114**	**Microsoft Windows Client**	**3**		**48**	**3**
MATH	**101** *or* **102**	**Applied Algebra for College Students** *or* **College Algebra**	**3**		**48**	**3**
ENGL	**101**	**Composition & Rhetoric I**	**3**		**48**	**3**

Second Semester						
CIT	101	Network Essentials	3		48	3
NEW COURSE	NEW COURSE	Proposed Course – Introduction to Scripting	3		48	3
NEW COURSE	NEW COURSE	Proposed Course - Introduction to Virtualization Concepts	3		48	3
CIT	170	Microsoft Windows Servers	3		48	3
ELECTIVE	ELECTIVE	Behavioral/ Social Science Elective	3		48	3
Third Semester						
CIT	211	Data Storage Administration	3		48	3
CIS	250	Intro to Cloud Computing	3		48	3
CIT	172	Linux Server	3		48	3
CIT	225	Network Security	3		48	3
ELECTIVE	ELECTIVE	Physical Science Elective	3		48	3
Fourth Semester						
CIT	ELECTIVE	CIT Elective	3		48	3
CIT	272	Advanced Topics in Linux	3		48	3
ELECTIVE	ELECTIVE	Humanities Elective	3		48	3
SPCH	110	Public Speaking	3		48	3
CIT	299	Cyber Internship	3		48	3

PROGRAM CURRICULUM - **Systems Administration (DevOps Concentration)** (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
First Semester						
CIT	101	Network Essentials	3		48	3
CIT	102	Problem Solving & Programming Techniques	3		48	3
CIS	114	Microsoft Windows Client	3		48	3
MATH	101 *or* 102	Applied Algebra for College Students *or* College Algebra	3		48	3
ENGL	101	Composition & Rhetoric I	3		48	3
Second Semester						
CIT	210 *or* 121	Advanced Network Topics *or* CCNA I	3		60	3
CIT	130	HTML5/CSS3	3		48	3
CIT	170	Microsoft Windows Server	3		48	3
NEW COURSE	NEW COURSE	Proposed Course – Introduction to Scripting	3		48	3
ELECTIVE	ELECTIVE	Behavioral/ Social Science Elective	3		48	3
Third Semester						
CIT	150	Introduction to Java Programming	3		48	3
CIT	151	Advanced Java Programming	3		48	3

CIT	172	Linux Server	3		48	3
CIT	225	Network Security	3		48	3
ELECTIVE	ELECTIVE	Physical Science Elective	3		48	3
Fourth Semester						
ELECTIVE	ELECTIVE	Humanities Elective	3		48	3
SPCH	110	Public Speaking	3		48	3
CIT	270	Relational Database Coding	3		48	3
CIT	272	Advanced Topics in Linux	3		48	3
CIT	299	Cyber Internship	3		48	3

SIGNATURES:

College Chief Academic Officer — Date 3/20/17

College Chief Executive Officer — Date 3.20.17

Appendix A – Labor Market Information

Jobs Available

The table below shows the number of job openings advertised online in Louisiana for Network and Computer Systems Administrators and for the related occupational group of Computer and Mathematical Occupations on February 12, 2017 (Jobs De-duplication Level 2)

Occupation Title	Job Openings
Network and Computer Systems Administrators	79
Computer and Mathematical Occupations	1,079

BRIGHT OUTLOOK STATEWIDE | GREEN OCCUPATIONS

Job Source: Online advertised jobs data

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Source: Louisiana Workforce Commission (As of February 2017)

Jobs Area Distribution

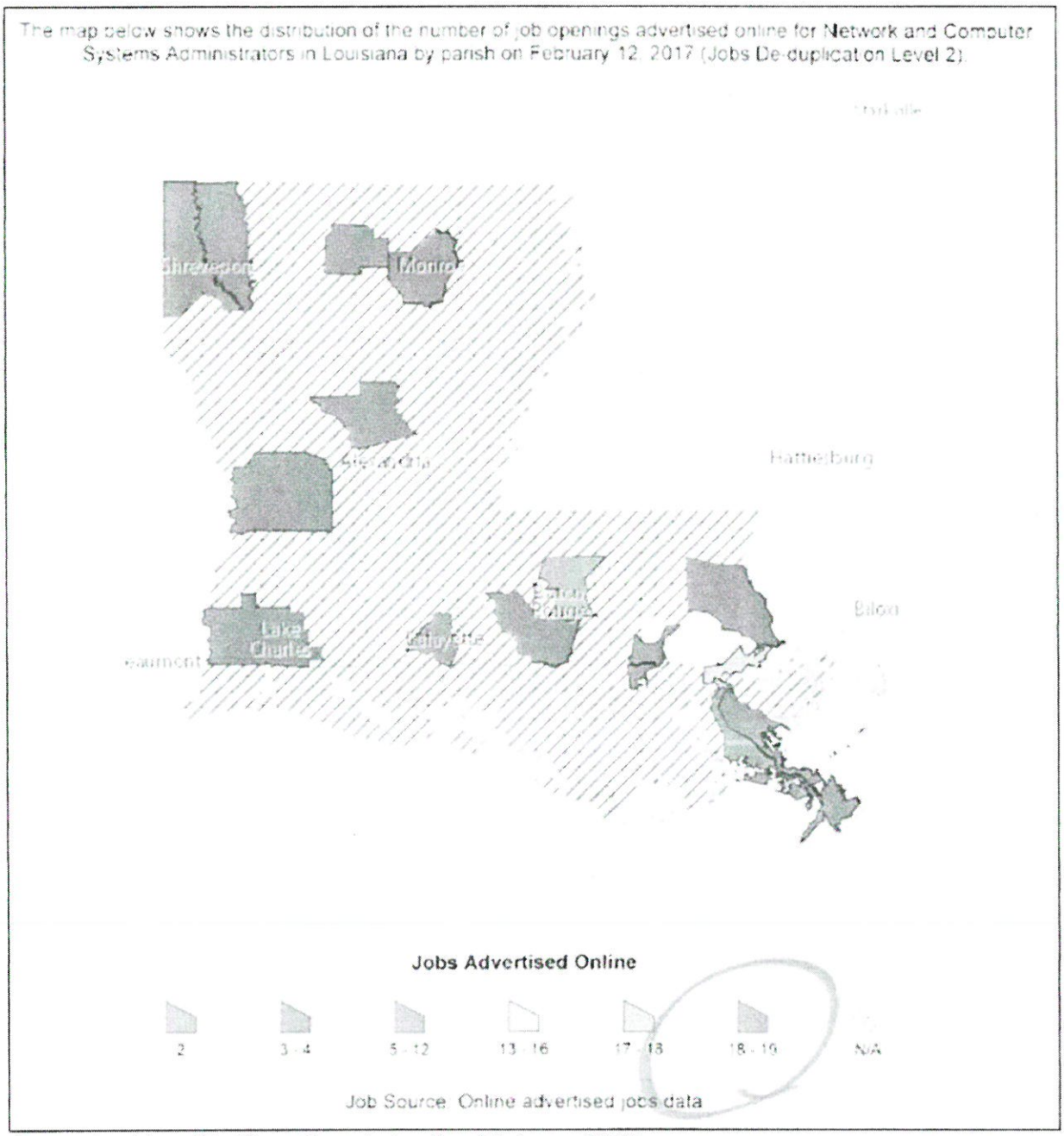
The table below shows the parishes in Louisiana with the highest number of job openings advertised online for Network and Computer Systems Administrators on February 12, 2017 (Jobs De-duplication Level 2)

Rank	Area Name	2015 Estimated Median Annual Wage	Job Openings for Network and Computer Systems Administrators
1	Bossier Parish, Louisiana	$59,781 state level wages	19
2	East Baton Rouge Parish, Louisiana	$59,781 state level wages	18
3	Orleans Parish, Louisiana	$59,781 state level wages	16
4	Lafayette Parish, Louisiana	$59,781 state level wages	12
5	Ouachita Parish, Louisiana	$59,781 state level wages	4
6	Vernon Parish, Louisiana	$59,781 state level wages	2
7	Lincoln Parish, Louisiana	$59,781 state level wages	1
8	Plaquemines Parish, Louisiana	$59,781 state level wages	1
9	St. John the Baptist Parish, Louisiana	$59,781 state level wages	1
10	St. Tammany Parish, Louisiana	$59,781 state level wages	1

Wage Data Source: Labor Market Statistics, Quarterly Census of Employment and Wages Program
Job Source: Online advertised jobs data

Downloaded: 02/13/2017 9:33 AM

Source: Louisiana Workforce Commission (As of February 2017)



Source: Louisiana Workforce Commission (As of February 2017)

SOC Code	Standard Occupational Classification (SOC) - Group and Occupational Title	Estimated Employment	Mean/ Average	10th Percentile	50th Percentile	90th Percentile	Mean/ Average
15-0000	**Computer and Mathematical Occupations**	**1,620**	**28.91**	**15.77**	**27.63**	**45.07**	**60,130**
15-1131	Computer Programmers	140	28.90	20.62	27.87	38.40	60,108
15-1134	Web Developers	50	21.76	13.94	19.74	29.34	45,261
15-1142	Network and Computer Systems Administrators	260	29.59	17.57	28.77	44.04	61,556
15-1151	Computer User Support Specialists	360	22.21	12.80	21.68	32.27	46,193
15-1152	Computer Network Support Specialists	160	21.84	14.90	18.46	34.18	45,419
15-1199	Computer Occupations, All Other	150	29.99	13.88	31.10	46.81	62,376

Source: Louisiana Workforce Commission (As of February 2017)

Appendix B – CSRA Junior Windows System Administrator Job Description

Junior Windows System Administrator

Date posted: 11/08/2016
Job Title: Junior Windows System Administrator
Requisition ID: 16006J5
Job Category: Systems Services
Job Type: Regular
Primary Location: USA-LA: LOUISIANA-BOSSIER CITY
Schedule: Full-time
Remote Work Authorized: No
Relocation Assistance: Not Available
Travel: No
Clearance Level: Secret
Employee Status: Regular
Posting Date: Nov 7, 2016

Description
The coordinated terrorist attacks on the morning of September 11, 2001 forever impacted the course of history and the American way of life. Those attacks resulted in the creation of the Transportation Security Administration (TSA), designed to prevent similar attacks from occurring in the future. CSRA supports the TSA, the leading Counterterrorism Agency for the US Government, by managing its worldwide IT environment. Our day-to-day mission is to provide that support in such a way that TSA can protect every single one of those 695 million people equally well, thus protecting our transportation infrastructure and ensuring freedom of movement for people and commerce.
Currently, we are seeking a Wintel Systems Administrator. This position requires the chosen candidate to be able to obtain and maintain a Secret security clearance.
There are quite a myriad of tasks and responsibilities, such as:
24x7 environment, shift work required, Secret and customer EOD required.

Requirements and Technical Skills:
- Working knowledge of installing, configuring, tuning, maintaining and monitoring Windows 2008/2012 Enterprise server.
- Familiar with Remote server administration.
- Familiar with Virtualization concepts.
- Familiar with server Clustering and Load Balancing.
- Basic understanding of Active Directory Users, OUs, and Groups.
- Basic understanding of NTFS permissions.
- Working knowledge of Hyper-V.
- Strong understanding of server hardware and its functions.

Essential Job Functions
- Analyzes, logs, tracks and resolves software/hardware matters of significance pertaining to networking connectivity issues, printer, servers, and applications to meet business needs.
- Performs troubleshooting to isolate and diagnose common system problems; documents system events to ensure continuous functioning. Recommends course of action and implements as approved.
- Upgrades system software and hardware components as required to meet business needs; coordinates backups. Ensures upgrades are occurring in accordance with established parameters.
- Coordinates the installation of client department specific applications and systems. Determines appropriate method for installing applications and systems; resolves matters of significance and implements corrective course of action as needed.
- Installs, tests, upgrades and configures system files and services to enhance performance.
- Utilizes standard corporate tools to record change and problem activities for tracking purposes.

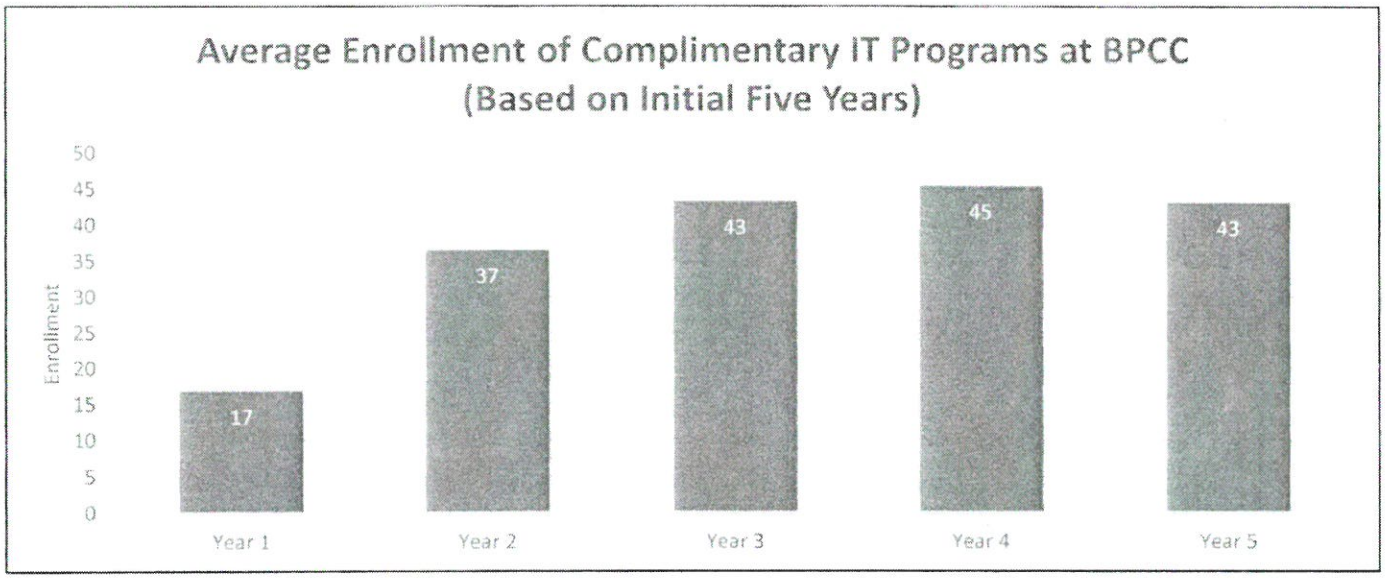
Qualifications

Basic Qualifications
- Bachelor's degree or equivalent combination of education and experience
- Bachelor's degree in computer science, or related field preferred
- Two or more years of experience with computer systems or networking
- Experience working with computer hardware for installation and upgrades
- Experience working with software installation/upgrading procedures
- Experience working with file and system maintenance procedures

Other Qualifications
- Good organization skills to balance and prioritize work
- Analytical and problem solving skills to troubleshoot systems problems
- Communication skills for to communicate with support personnel, customers, and managers
- Ability to work independently and as part of a team

CSRA is committed to creating a diverse environment and is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

Appendix C - Average Enrollment of Complimentary IT Programs at BPCC



Total Annual Enrollment	**2009**	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**
AAS Cyber Technology (Network Security & Programmer Analyst) (CURRENT)	N/A				43	137	165	157	178
AAS Information Network Specialist (RETIRED)	27	37	46	40	25	8	1	0	0
AAS Information Network Security Specialist (RETIRED)	26	47	59	83	66	16	2	1	0
AAS Information Programmer Analyst (RETIRED)	9	11	13	23	17	6	0	0	0
AAS Systems Administration Specialist (RETIRED)	8	18	11	11	10	4	0	0	0
AAS in Web Analyst Programmer (RETIRED)	5	6	9	4	6	1	1	0	0
Annual Total Enrollment	**75**	**119**	**138**	**161**	**167**	**172**	**169**	**158**	**178**

Average Enrollment per Program	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**
Average Enrollment (two current CIT programs)	22	69	83	79	89
Average Enrollment (five retired programs)	15	24	28	32	25
Average Enrollment (seven programs)	**17**	**37**	**43**	**45**	**43**

Appendix D - Sources

A. Bossier Parish Community College – Historical Program Enrollment
http://bpcc.edu/factbook/enrollment/program.html

B. CSRA – Junior Windows Systems Administrator job description
https://jobs.csra.com/job/bossier-city/junior-windows-system-administrator/3983/3396762

C. Louisiana Workforce Commission – Network and Computer Systems Administrators Occupation Summary
http://www.laworks.net/Stars/default.aspx

D. Louisiana Workforce Commission – Occupational Wage Data (2015)
http://www.laworks.net/LaborMarketInfo/LMI_WageDataMap2009toPresent.asp?Year=2015

E. National Center for Education Statistics – CIP Code for Systems Administrator
https://nces.ed.gov/ipeds/cipcode/cipdetail.aspx?y=55&cipid=87261

F. O*NET Online – Network and Computer Systems Administrators Occupation Summary
https://www.onetonline.org/link/summary/15-1142.00

LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

New Program and Curriculum Modification Form

TYPE OF PROPOSED CHANGE	
X New Program	☐ Curriculum Modification

AWARD LEVEL(S)	
Award Level(s):	
☐ Associate of Applied Science (A.A.S.)	x Technical Diploma (T.D.)
☐ Associate of Science (A.S.)	☐ Technical Competency Area (T.C.A.)
☐ Associate of Arts (A.A.)	☐ Certificate of Technical Studies (C.T.S.)
☐ Other Associate Degree	☐ Certificate of Applied Science (C.A.S.)
Name:	☐ Certificate of General Studies (C.G.S.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Technical Diploma in Criminal Justice			
CIP:	Credit Hours: 45	Contact Hours: 45	Award Level: T.D.

DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)

The Technical Diploma in Criminal Justice encompasses several areas of specific skills taught within the present curriculum and offers recognition for specialized training related to job classification and demand in the structure of criminal justice agencies. Specialized skills range from criminal investigation, police/community relations, police procedure, and corrections.

This TD requires 9 credit hours (CJUS 101, CJUS 201, CJUS 291) of core Criminal Justice course offerings. The Technical Diploma will complement the Criminal Justice AAS program and is a 'stackable' diploma with the CJ AAS.

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

The BPCC criminal justice program instructors believe it is again time to consider expanding our student options, enabling our students' further employment opportunities and/or enhancing advancement in current employment. Police agencies are under more and more demand to demonstrate specialized skill in a particular area of police work, to practice firm ethical

standards, and communicate well with the public and their communities. The TD offers the student the ability to acquire more than one skill area and receive recognition for that training. This proposal does not inhibit the student from pursuing the further degree of the AAS.

The CJUS Advisory Board, made up of local, State and Federal law enforcement personnel, as well as partner 4-year college representatives, such as Northwestern State University with whom BPCC has a strong articulation for a seamless transition to the Bachelor's Degree, voted and unanimously approved this Technical Diploma in Criminal Justice as a needed part of the CJUS offerings.

This TD stacks into the AAS in Criminal Justice.

IMPLEMENTATION DATE (Semester and Year)	Fall, 2017

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION		
X Main Campus	☐ All Campuses	☐ Sites (list below)

LOUISIANA WORKFORCE COMMISSION STAR LEVEL (http://www.laworks.net/Stars/)				
☐ 5 Stars	X 4 Stars	☐ 3 Stars	☐ 2 Stars	☐ 1 Star

PLAN FOR PROVIDING QUALIFIED FACULTY (Check all that apply)		
X Use Existing Faculty #: 3	X Hire Adjunct Faculty #: 2	☐ Hire Full-Time Faculty #:
MINIMUM CREDENTIALS REQUIRED FOR FACULTY		
Education: Master's Degree	Experience:	Certification:

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY	40	45	50	55	60
EVENING	15	20	30	30	35

ANTICIPATED ENROLLMENT:	
Describe Process for Attaining & Estimating Enrollment:	Current active CJ majors enrolled in CJ courses.

PROGRAM ACCREDITATION:		
Is Program Accreditation, Licensure or Certification Required?	☐ Yes	X No
	If YES, please provide projected accreditation/licensure/certification date:	
Type/Name of Program Accreditation, Licensure or Certification Required:		

DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)
All resources such as faculty (both full-time and adjunct), facilities, library, etc. are already provided by the institution because these resources are provided for the instruction of the Associate Degree in Criminal Justice.

PROGRAM CURRICULUM: Technical Diploma in Criminal Justice						
Subject Code	Course Number	Course Title	Lecture Hours		Contact Hours	Credit Hours
First Semester						
CJUS	101	Introduction to Criminal Justice	3		3	3
CJUS	291	Evidence and Procedure	3		3	3
PSYC		Approved Psychology Elective	3		3	3
CJUS		Approved CJUS Elective	3		3	3
CJUS/ CORR		Approved CJUS Elective or Approved CORR Elective	3		3	3
Second Semester						

CJUS	201	Criminal Law	3		3	3
CJUS CJUS	202 293	Police/Community Relations or Ethics in Criminal Justice	3		3	3
SLGY		Approved Sociology Elective	3		3	3
CJUS		Approved CJUS Elective	3		3	3
CJUS/ CORR		Approved CJUS Elective or Approved CORR Elective	3		3	3
Third Semester						
CJUS	299	Juvenile Justice	3		3	3
POSC	201/202	National Government or State and Local Government	3		3	3
CJUS		Approved CJUS Elective	3		3	3
CJUS		Approved CJUS Elective	3		3	3
CJUS/ CORR		Approved CJUS Elective or Approved CORR Elective	3		3	3
					45hrs	45hrs

SIGNATURES:

College Chief Academic Officer — Date: 3/20/17

College Chief Executive Officer — Date: 3.20.17

LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

New Program and Curriculum Modification Form

TYPE OF PROPOSED CHANGE	
X New Program	☐ Curriculum Modification

AWARD LEVEL(S)	
Award Level(s):	
☐ Associate of Applied Science (A.A.S.)	☐ Technical Diploma (T.D.)
☐ Associate of Science (A.S.)	☐ Technical Competency Area (T.C.A.)
☐ Associate of Arts (A.A.)	X Certificate of Technical Studies (C.T.S.)
☐ Other Associate Degree	☐ Certificate of Applied Science (C.A.S.)
Name: _____	☐ Certificate of General Studies (C.G.S.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Certificate of Technical Studies in Police/Community Relations			
CIP: 430104	Credit Hours: 30	Contact Hours: 30	Award Level: CTS

DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)
The Certificate of Technical Studies in Police/Community Relations encompasses the specific skills taught within the present curriculum and offers recognition for specialized training related to job classification and demand in the structure of criminal justice agencies. In the growing demand placed on police agencies to communicate well and establish healthy relations with ethnical practices in their communities, the demand for this specialization is growing. This certificate requires 9 credit hours (CJUS 101, CJUS 201, CJUS 291) of core Criminal Justice course offerings and is a 'stackable' certificate with the CJUS AAS.

REASON/JUSTIFICATION FOR THE PROPOSED CHANGE (Include support such as four-year university agreements, industry demand, advisory board information, etc.)
The proposed Certificate of Technical Studies in Police/Community Relations is designed to show recognition of extensive training in one of the primary areas of law enforcement. This proposal will not only help our current and future students, but past students desiring and needing specialized academic skills for job placement and promotion. The relationship between police and the communities they serve has been highlighted by the

increasing rise of tension between the two in regions of the U.S. Communities need police they can trust and police need community support for the vital functions they perform. The necessity of clear communication techniques, ability to build community networks and acquiring the ethical standards by which every officer must abide provides a roadmap for professionals to strengthen their ties with the communities they serve. By targeting specific information and skills, the CTS provides new hires valuable training and incumbent workers new avenues for promotion and advancement.

The process of policing has always been the focus of this program. In light of that emphasis, the BPCC Criminal Justice Program has always worked closely with the Criminal Justice Advisory Board of police personnel ranging from local, state, and federal agencies, as well as our 4 year academic partners, such as Northwestern State University with whom BPCC has a strong articulation for seamless transition to the Bachelor's degree. Recognizing the skills embedded in this certificate, the Criminal Justice Advisory Board voted and unanimously approved the CTS in Police/Community Relations.

IMPLEMENTATION DATE (Semester and Year)	Fall, 2017

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION		
X Main Campus	☐ All Campuses	☐ Sites (list below)

LOUISIANA WORKFORCE COMMISSION STAR LEVEL (http://www.laworks.net/Stars/)				
☐ 5 Stars	X 4 Stars	☐ 3 Stars	☐ 2 Stars	☐ 1 Star

PLAN FOR PROVIDING QUALIFIED FACULTY (Check all that apply)		
X Use Existing Faculty #: 3	X Hire Adjunct Faculty #: 2	☐ Hire Full-Time Faculty #: _____
MINIMUM CREDENTIALS REQUIRED FOR FACULTY		
Education: Masters Degree	Experience:	Certification:

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY	30	35	40	50	55

ANTICIPATED ENROLLMENT:					
EVENING	15	20	25	30	30
Describe Process for Attaining & Estimating Enrollment:	Current active CJUS majors enrolled in CJUS courses.				

PROGRAM ACCREDITATION:		
Is Program Accreditation, Licensure or Certification Required?	☐ Yes	X No
	If YES, please provide projected accreditation/licensure/certification date:	
Type/Name of Program Accreditation, Licensure or Certification Required:		

DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)
All resources such as faculty (both full-time and adjunct), facilities, library, etc. are already provided by the institution because these resources are provided for the instruction of the Associate Degree in Criminal Justice.

PROGRAM CURRICULUM : Certificate of Technical Studies in Police/Community Relations						
Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours
First Semester						
CJUS	101	Introduction to Criminal Justice	3			3
CJUS	201	Criminal Law	3			3
CJUS	203	Civil Disturbance	3			3
CJUS	205	Contemporary Issues in Criminal Justice	3			3
CJUS	211	Criminology	3			3
Second Semester						
CJUS	291	Criminal Evidence & Procedure	3			3

CJUS	293	Ethics in Criminal Justice	3			3
CJUS CJUS	296 297	Introduction to Jurisprudence OR Violence, Domestic and Other Abusers	3			3
CJUS CJUS	299 290	Juvenile Justice OR Homeland Security	3			3
			30 hrs			30 hrs

SIGNATURES:

College Chief Academic Officer — Date: 3/20/17

College Chief Executive Officer — Date: 3.20.17

LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

New Program and Curriculum Modification Form

TYPE OF PROPOSED CHANGE	
X New Program	☐ Curriculum Modification

AWARD LEVEL(S)	
Award Level(s):	
☐ Associate of Applied Science (A.A.S.)	☐ Technical Diploma (T.D.)
☐ Associate of Science (A.S.)	☐ Technical Competency Area (T.C.A.)
☐ Associate of Arts (A.A.)	X Certificate of Technical Studies (C.T.S.)
☐ Other Associate Degree	☐ Certificate of Applied Science (C.A.S.)
Name: _____	☐ Certificate of General Studies (C.G.S.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Certificate of Technical Studies in Police Procedures			
CIP: 430104	Credit Hours: 30	Contact Hours: 30	Award Level: CTS

DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)
The Certificate of Technical Studies in Police Procedures encompasses the specific skills taught within the present curriculum and offers recognition for specialized training related to job classification and demand in the structure of criminal justice agencies. This certificate requires 9 credit hours (CJUS 101, CJUS 201, CJUS 291) of core Criminal Justice course offerings and is a 'stackable' certificate with the CJUS AAS.

REASON/JUSTIFICATION FOR THE PROPOSED CHANGE (Include support such as four-year university agreements, industry demand, advisory board information, etc.)
The proposed Certificate of Technical Studies in Police Procedures is designed to show recognition of extensive training in one of the primary areas of law enforcement. This proposal will not only help our current and future students, but past students desiring and needing specialized academic skills for job placement and promotion. In today's society, police agencies are increasingly aware of the need to train officers in ethical policies and solid field procedures; reflecting the organizations' policies, protocols and

criminal law.

A Certificate in Technical Studies with specialized concentration not only opens additional academic paths of achievement, but prepares our students with solid skills for the job market.

The process of policing has always been the focus of this program. In light of that emphasis, the BPCC Criminal Justice Program has always worked closely with the Criminal Justice Advisory Board of police personnel ranging from local, state, and federal agencies, as well as our 4 year academic partners, such as Northwestern State University with whom BPCC has a strong articulation for seamless transition to the Bachelor's degree. Recognizing the skills embedded in this certificate, the Criminal Justice Advisory Board voted and unanimously approved the CTS in Police Procedures.

IMPLEMENTATION DATE (Semester and Year)	Fall, 2017

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION		
X Main Campus	☐ All Campuses	☐ Sites (list below)

LOUISIANA WORKFORCE COMMISSION STAR LEVEL (http://www.laworks.net/Stars/)				
☐ 5 Stars	X 4 Stars	☐ 3 Stars	☐ 2 Stars	☐ 1 Star

PLAN FOR PROVIDING QUALIFIED FACULTY (Check all that apply)		
X Use Existing Faculty #: 3	X Hire Adjunct Faculty #: 2	☐ Hire Full-Time Faculty #:
MINIMUM CREDENTIALS REQUIRED FOR FACULTY		
Education: Masters Degree	Experience:	Certification:

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY	30	35	40	50	55
EVENING	15	20	25	30	40

ANTICIPATED ENROLLMENT:	
Describe Process for Attaining & Estimating Enrollment:	Current active CJUS majors enrolled in CJUS courses.

PROGRAM ACCREDITATION:		
Is Program Accreditation, Licensure or Certification Required?	☐ Yes	X No
	If YES, please provide projected accreditation/licensure/certification date:	
Type/Name of Program Accreditation, Licensure or Certification Required:		

DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)
All resources such as faculty (both full-time and adjunct), facilities, library, etc. are already provided by the institution because these resources are provided for the instruction of the Associate Degree in Criminal Justice.

PROGRAM CURRICULUM : Certificate of Technical Studies in Police Procedures						
Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours
First Semester						
CJUS	101	Introduction to Criminal Justice	3			3
CJUS	201	Criminal Law	3			3
CJUS	202	Criminal Investigation	3			3
CJUS	204	Accident Investigation/Reconstruction	3			3
CJUS	232	Police Supervision	3			3
Second Semester						
CJUS	291	Criminal Evidence & Procedure	3			3
CJUS	250	Police Procedures	3			3

CJUS CJUS	290 299	Homeland Security OR Juvenile Justice	3			3
CJUS	293	Ethics in Criminal Justice	3			3
CJUS	240	Narcotics & Dangerous Drugs	3			3
			30 hrs			30hrs

SIGNATURES:

College Chief Academic Officer — Date: 3/20/17

College Chief Executive Officer — Date: 3.20.17

LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

New Program and Curriculum Modification Form

TYPE OF PROPOSED CHANGE	
X New Program	☐ Curriculum Modification

AWARD LEVEL(S)	
Award Level(s):	
☐ Associate of Applied Science (A.A.S.)	☐ Technical Diploma (T.D.)
☐ Associate of Science (A.S.)	☐ Technical Competency Area (T.C.A.)
☐ Associate of Arts (A.A.)	X Certificate of Technical Studies (C.T.S.)
☐ Other Associate Degree	☐ Certificate of Applied Science (C.A.S.)
Name: _____	☐ Certificate of General Studies (C.G.S.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Certificate of Technical Studies in Criminal Justice Investigation			
CIP: 30208	Credit Hours: 30	Contact Hours: 30	Award Level: CTS

DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)
The Certificate of Technical Studies in Criminal Justice Investigation encompasses the specific skills taught within the present curriculum and offers recognition for specialized training related to job classification and demand in the structure of criminal justice agencies. This certificate requires 9 credit hours (CJUS 101, CJUS 201, CJUS 291) of core Criminal Justice course offerings and is a 'stackable' certificate with the CJUS AAS.

REASON/JUSTIFICATION FOR THE PROPOSED CHANGE (Include support such as four-year university agreements, industry demand, advisory board information, etc.)
The proposed Certificate of Technical Studies in Criminal Justice Investigation is designed to show recognition of extensive training in one of the primary areas of law enforcement. This proposal will not only help our current and future students, but past students desiring and needing specialized academic skills for job placement and promotion. Precise techniques must be mastered in accident investigation/recreation, human trafficking, homicide, drug enforcement and forensic methodology, as well as other investigative duties. Police who know the skills, how to recognize evidence, how to preserve evidence and build a court case provide invaluable service to their department and the community they serve.

A Certificate in Technical Studies with specialized concentration not only opens additional academic paths of achievement, but prepares our students with solid skills for the job market.

The process of policing has always been the focus of this program. In light of that emphasis, the BPCC Criminal Justice Program has always worked closely with the Criminal Justice Advisory Board of police personnel ranging from local, state, and federal agencies, as well as our 4 year academic partners, such as Northwestern State University with whom BPCC has a strong articulation for seamless transition to the Bachelor's degree. Recognizing the skills embedded in this certificate, the Criminal Justice Advisory Board voted and unanimously approved the CTS in Criminal Justice Investigation.

IMPLEMENTATION DATE (Semester and Year)	Fall, 2017

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION		
X Main Campus	☐ All Campuses	☐ Sites (list below)

LOUISIANA WORKFORCE COMMISSION STAR LEVEL (http://www.laworks.net/Stars/)				
☐ 5 Stars	X 4 Stars	☐ 3 Stars	☐ 2 Stars	☐ 1 Star

PLAN FOR PROVIDING QUALIFIED FACULTY (Check all that apply)		
X Use Existing Faculty #: 3	X Hire Adjunct Faculty #: 2	☐ Hire Full-Time Faculty #: _____
MINIMUM CREDENTIALS REQUIRED FOR FACULTY		
Education: Masters Degree	Experience:	Certification:

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY	50	60	65	75	75
EVENING	20	30	35	40	40

ANTICIPATED ENROLLMENT:	
Describe Process for Attaining & Estimating Enrollment:	Current active CJUS majors enrolled in CJUS courses.

PROGRAM ACCREDITATION:		
Is Program Accreditation, Licensure or Certification Required?	☐ Yes	X No
	If YES, please provide projected accreditation/licensure/certification date:	
Type/Name of Program Accreditation, Licensure or Certification Required:		

DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)
All resources such as faculty (both full-time and adjunct), facilities, library, etc. are already provided by the institution because these resources are provided for the instruction of the Associate Degree in Criminal Justice.

PROGRAM CURRICULUM : Certificate of Technical Studies in Criminal Justice Investigations						
Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours
First Semester						
CJUS	101	Introduction to Criminal Justice	3		3	3
CJUS	201	Criminal Law	3		3	3
CJUS	202	Criminal Investigation	3		3	3
CJUS	204	Accident Investigation/Reconstruction	3		3	3
CJUS	240	Narcotics and Dangerous Drugs	3		3	3
Second Semester						
CJUS	291	Criminal Evidence and Procedure	3		3	3

CJUS CJUS	295 297	Criminalistics OR Violence, Domestic and Other Abusers	3			3
CJUS	290	Homeland Security	3			3
CJUS CJUS	250 299	Police Procedures OR Juvenile Justice	3			3
						30 hrs

SIGNATURES:

College Chief Academic Officer — Date 3/20/17

College Chief Executive Officer — Date 3.20.17

LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

New Program and Curriculum Modification Form

TYPE OF PROPOSED CHANGE	
X New Program	☐ Curriculum Modification

AWARD LEVEL(S)	
Award Level(s):	
☐ Associate of Applied Science (A.A.S.)	☐ Technical Diploma (T.D.)
☐ Associate of Science (A.S.)	☐ Technical Competency Area (T.C.A.)
☐ Associate of Arts (A.A.)	X Certificate of Technical Studies (C.T.S.)
☐ Other Associate Degree	☐ Certificate of Applied Science (C.A.S.)
Name: _____	☐ Certificate of General Studies (C.G.S.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Certificate of Technical Studies in Corrections			
CIP: 430102	Credit Hours: 30	Contact Hours: 30	Award Level: CTS

DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)
The Certificate of Technical Studies in Corrections encompasses the specific skills taught within the present curriculum and offers recognition for specialized training related to job classification and demands within the structure of criminal justice agencies that provide, within the law, due process and placement for those convicted and sentenced to incarceration. This certificate requires 9 credit hours (CJUS 101, CJUS 201, CJUS 291) of core Criminal Justice course offerings and is a 'stackable' certificate with the CJUS AAS.

REASON/JUSTIFICATION FOR THE PROPOSED CHANGE (Include support such as four-year university agreements, industry demand, advisory board information, etc.)
The proposed Certificate of Technical Studies in Corrections is designed to show recognition of extensive training in one of the primary areas of law enforcement. This proposal will not only help our current and future students, but past students desiring and needing specialized academic skills for job placement and promotion. This CTS focuses on the structure of the criminal justice agencies handling jails, probation, juvenile diversion & parole, including those within the private sector that contract with

government agencies to provide lock-up facilities for those convicted and sentenced to incarceration. By targeting specific information and skills, the CTS also provides incumbent workers new avenues for promotion and advancement.

A Certificate in Technical Studies with specialized concentration not only opens additional academic paths of achievement, but prepares our students with solid skills for the job market.

The process of policing has always been the focus of this program. In light of that emphasis, the BPCC Criminal Justice Program has always worked closely with the Criminal Justice Advisory Board of police personnel ranging from local, state, and federal agencies, as well as our 4 year academic partners, such as Northwestern State University with whom BPCC has a strong articulation for seamless transition to the Bachelor's degree. Recognizing the skills embedded in this certificate, the Criminal Justice Advisory Board voted and unanimously approved the CTS in Corrections.

IMPLEMENTATION DATE (Semester and Year)	Fall, 2017

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION		
X Main Campus	☐ All Campuses	☐ Sites (list below)

LOUISIANA WORKFORCE COMMISSION STAR LEVEL (http://www.laworks.net/Stars/)				
☐ 5 Stars	4 Stars	X 3 Stars	☐ 2 Stars	☐ 1 Star

PLAN FOR PROVIDING QUALIFIED FACULTY (Check all that apply)		
X Use Existing Faculty #: 3	X Hire Adjunct Faculty #: 2	☐ Hire Full-Time Faculty #: _____
MINIMUM CREDENTIALS REQUIRED FOR FACULTY		
Education: Masters Degree	Experience:	Certification:

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY	30	35	40	50	55

ANTICIPATED ENROLLMENT:					
EVENING	15	20	25	30	30
Describe Process for Attaining & Estimating Enrollment:	Current active CJUS majors enrolled in CJUS courses.				

PROGRAM ACCREDITATION:		
Is Program Accreditation, Licensure or Certification Required?	☐ Yes	X No
	If YES, please provide projected accreditation/licensure/certification date:	
Type/Name of Program Accreditation, Licensure or Certification Required:		

DESCRIBE IMPLEMENTATION COSTS (include Faculty, Facilities, Library Resources, etc.)
All resources such as faculty (both full-time and adjunct), facilities, library, etc. are already provided by the institution because these resources are provided for the instruction of the Associate Degree in Criminal Justice.

PROGRAM CURRICULUM : Certificate of Technical Studies in Corrections						
Subject Code	Course Number	Course Title	Lecture Hours	Lab Hours	Contact Hours	Credit Hours
First Semester						
CJUS	101	Introduction to Criminal Justice	3			3
CJUS	201	Criminal Law	3			3
CJUS CJUS	203 211	Civil Disturbance OR Criminology	3			3
CJUS CJUS	296 299	Introduction to Jurisprudence OR Juvenile Justice	3			3
CORR	102	Introduction to Corrections	3			3
Second Semester						

CJUS	201	Criminal Evidence & Procedure	3			3
CORR	201	Correctional Law	3			3
CORR	210	Local & Adult Detention Facilities	3			3
CORR	230	Probation, Parole, and Treatment	3			3
CORR CJUS	250 232	Management of Correctional Facilities OR Police Supervision	3			3
			30 hrs			30 hrs

SIGNATURES:

College Chief Academic Officer — Date: 3/20/17

College Chief Executive Officer — Date: 3.20.17

LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

New Program and Curriculum Modification Form

TYPE OF PROPOSED CHANGE	
☒ New Program	☐ Curriculum Modification

AWARD LEVEL(S)	
Award Level(s):	
☐ Associate of Applied Science (A.A.S.)	☐ Technical Diploma (T.D.)
☐ Associate of Science (A.S.)	☐ Technical Competency Area (T.C.A.)
☐ Associate of Arts (A.A.)	☒ Certificate of Technical Studies (C.T.S.)
☐ Other Associate Degree	☐ Certificate of Applied Science (C.A.S.)
Name: _____	☐ Certificate of General Studies (C.G.S.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Advanced Welding Technology			
CIP: 48.0508	Credit Hours: 29	Contact Hours: 585	Award Level: C.T.S.

DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)
The C.T.S. in advanced welding consists of courses that will prepare students to work at an advanced level in industrial welding.

REASON/JUSTIFICATION FOR THE PROPOSED CHANGE (Include support such as four-year university agreements, industry demand, advisory board information, etc.)
This program is needed in Northwest Louisiana, because there is no program in this area that meets the requirements of AWS EG3.0-96 Guide for the Training and Qualification of Welding Personnel: Level II – Advanced Welders. This certificate program has been developed to produce a well-rounded AWS SENSE Level II Advanced Welder who can work in any industry: manufacturing, oil and gas, construction, etc. Other schools in Northwest Louisiana have obtained AWS SENSE Level I – Entry Welder status, but industry has requested a program that will produce a higher level of skill and knowledge:

Caddo Career Center
Shreveport, LA
AWS Entry Welder Level I

Louisiana Technical College
Shreveport, LA
AWS Entry Welder Level I

Shreveport Job Corp Center
Shreveport, LA
AWS Entry Welder Level I

The AWS SENSE school locator information can be found at:
https://schools.aws.org/

IMPLEMENTATION DATE (Semester and Year)	Fall 2017

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION		
☒ Main Campus	☐ All Campuses	☐ Sites (list below)
Site 1: Bossier Parish Community College		

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 1 Director / Welding Instructor	☒ Hire Adjunct Faculty Two welding instructors or lab assistants	☐ Hire Full-Time Faculty

MINIMUM CREDENTIALS REQUIRED FOR FACULTY		
Education: Associates Degree for Full-Time Faculty, High School Diploma for Lab Assistants	Experience: Several years of welding experience in the specific welding process taught	Certification: AWS CWI or CWE for full-time faculty, Welder Qualification Record for lab assistants

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY	40	40	40	40	40
EVENING	20	20	20	20	20
Describe Process for Attaining & Estimating Enrollment:	BPCC will have a total of 20 welding machines available in Fall of 2017, therefore the maximum number of students for day and evening classes is 20 per time period. WELD 100 will be offered during the day in both the Spring and Fall as a technical elective for students majoring in AMFG and OGPD. This will allow for 40 students maximum per year during the day. WELD 103 and WELD 105 will be offered in the Fall, and WELD 107 and WELD 109 will be offered in the Spring. The maximum number of students enrolled in the CTS in Advanced Welding Technology will be 20 per year, unless student demand dictates the need for additional class offerings.				

PROGRAM ACCREDITATION:		
Is Program Accreditation, Licensure or Certification Required?	☐ Yes	☒ No
	Program Certification is not required, but BPCC is in the process of applying for AWS SENSE Level II Participating Organization status that will allow students to gain a welding certification. The Certificate of Technical Studies in Advanced Welding is eligible for accreditation by the Southern Association of Colleges and Schools. In addition, the program is eligible for accreditation by The Association of Technology, Management, and Applied Engineering. Once the program has been approved by the LCTCS and the Louisiana Board of Regents, it will be presented to SACS and ATMAE for accreditation.	
Type/Name of Program Accreditation, Licensure or Certification Required:	The AWS level II – Advanced Welder certification is not required by industry to work as a welder, but it will enable students to gain a welding certification from an industry recognized organization. This will allow students without prior welding experience to, "get their foot in the door."	

DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)
Program implementation costs have been funded by the TAACCCT 4 grant. All resources including faculty, facilities, lab equipment, and library resources are already available.

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
First Semester						
MATH	102 or 111	College Algebra or Pre-Calculus Algebra	3	0	45	3
TEED	101	Basic Electricity	3	3	90	4
WELD	103	Advanced SMAW	3	3	90	4
WELD	105	Advanced GTAW	3	3	90	4
Second Semester						
MATH	112	Trigonometry	3	0	45	3
TEED	142	Industrial Graphics (Print Reading)	3	0	45	3
WELD	107	Advanced FCAW & GMAW	3	3	90	4
WELD	109	Advanced Pipe Welding & Fitting	3	3	90	4

SIGNATURES:

College Chief Academic Officer — Date: 3/20/17

College Chief Executive Officer — Date: 3.20.17

LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

New Program and Curriculum Modification Form

TYPE OF PROPOSED CHANGE	
☒ New Program	☐ Curriculum Modification

AWARD LEVEL(S)	
Award Level(s):	
☐ Associate of Applied Science (A.A.S.)	☐ Technical Diploma (T.D.)
☐ Associate of Science (A.S.)	☒ Technical Competency Area (T.C.A.)
☐ Associate of Arts (A.A.)	☐ Certificate of Technical Studies (C.T.S.)
☐ Other Associate Degree	☐ Certificate of Applied Science (C.A.S.)
Name: _____	☐ Certificate of General Studies (C.G.S.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Certified Production Technician			
CIP: 15.0699	Credit Hours: 6	Contact Hours: 160	Award Level: T.C.A.
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:

DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)
Create a new T.C.A. aligned with a national certification (Certified Production Technician certification offered by the Manufacturing Skill Standards Council (MSSC)) focused on training entry level manufacturing technicians.

REASON/JUSTIFICATION FOR THE PROPOSED CHANGE (Include support such as four-year university agreements, industry demand, advisory board information, etc.)
The new T.C.A. is stackable. It is the first credential in a three credential series (TCA, CTS, AAS) in Industrial Technology with a concentration in Manufacturing and Mechatronics that would allow students to graduate with the TCA and work while completing the subsequent credentials. It is aligned with a national certification, CPT by MSSC. The courses are offered after 6:30 pm allowing students with day jobs to attend. The Industrial Technology advisory board made up of local industrial and manufacturing employers approved and voted for this TCA as part of the Industrial Technology program offering. The TCA will prepare students to work in entry level manufacturing related positions. According to the Louisiana Workforce Commission website and input from our industry partners, these types of positions are in high demand in the state.

IMPLEMENTATION DATE (Semester and Year)	Fall semester 2017

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION		
☒ Main Campus	☐ All Campuses	☐ Sites (list below)
Site 1:		
Site 2:		
Site 3		
Site 4:		

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 #: 2	☐ Hire Adjunct Faculty #:_____	☐ Hire Full-Time Faculty #:_____

MINIMUM CREDENTIALS REQUIRED FOR FACULTY		
Education: Masters	Experience:10 years	Certification: MSSC CPT

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY					
EVENING	24	26	28	30	32
Describe Process for Attaining & Estimating Enrollment:	Current Industrial Technology student interest, advisory board discussions, career fair interest, enquiries from local manufacturers for entry level employees				

PROGRAM ACCREDITATION:		
Is Program Accreditation, Licensure or Certification Required?	☐ Yes	☒ No
	If YES, please provide projected accreditation/licensure/certification date:	
Type/Name of Program Accreditation, Licensure or Certification Required:		

DESCRIBE IMPLEMENTATION COSTS (Include Faculty, Facilities, Library Resources, etc.)
All resources including faculty, facilities, lab equipment, and library resources are already available.

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
First Semester						

AMFG	107	Manufacturing Safety, Quality, and Measurements	2	3	5	3
AMFG	108	Manufacturing Processes, Production and Maintenance Awareness	2	3	5	3
Second Semester						
Third Semester						
Fourth Semester						

Fifth Semester						
Sixth Semester						

SIGNATURES:

College Chief Academic Officer — Date: 3/20/17

College Chief Executive Officer — Date: 3.20.17

LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

New Program and Curriculum Modification Form

TYPE OF PROPOSED CHANGE	
☒ New Program	☐ Curriculum Modification

AWARD LEVEL(S)	
Award Level(s):	
☐ Associate of Applied Science (A.A.S.)	☐ Technical Diploma (T.D.)
☐ Associate of Science (A.S.)	☐ Technical Competency Area (T.C.A.)
☐ Associate of Arts (A.A.)	☒ Certificate of Technical Studies (C.T.S.)
☐ Other Associate Degree	☐ Certificate of Applied Science (C.A.S.)
Name:	☐ Certificate of General Studies (C.G.S.)

NAME OF PROGRAM(S) and AWARD LEVEL(S)			
Name: Engineering Graphics			
CIP: 15.1301	Credit Hours: 28	Contact Hours: 480	Award Level: C.T.S.
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:
Name:			
CIP:	Credit Hours:	Contact Hours:	Award Level:

DESCRIBE THE PROPOSED CHANGE (For Curriculum Modifications, state previous credit and clock hours, and for Program Termination, state program and all award levels.)
Create a new C.T.S. consisting of courses to prepare students to work in design and drafting in industrial, manufacturing, and architectural areas.

REASON/JUSTIFICATION FOR THE PROPOSED CHANGE (Include support such as four-year university agreements, industry demand, advisory board information, etc.)
This program is needed in Northwest Louisiana because there is no program in this area, or in the State of Louisiana, that combines the disciplines included in this certificate. This certificate has been developed to produce a well-rounded entry-level graphic designer who can work in any industry: manufacturing, logistics, oil and gas, construction, and more. Some students in the current A.A.S. program leave to take employment midway through the program and are successful for that level of employment. This indicates that gainful employment is available for C.T.S. level graduates. The Industrial Technology Advisory board which is associated with the AAS program in Industrial Technology with a concentration in Engineering Graphics has discussed and endorsed the C.T.S. program. They indicated that there is a need for Engineering Graphics trained employees at the C.T.S. level and the A.A.S. level. Similar programs exist at other LCTCS institutions, but none incorporate the skills and instruction that the BPCC CTS will offer. Baton Rouge Community College offers a 60 hour AAS in Drafting and Design Technology. This program has exit points where students can earn a TCA in one of three areas. There is not a 3D graphics focus. http://www.mybrcc.edu/academics/technical_education/aasdrafting.php Delgado Community College has a 61 hour AAS and a 21 hour CTS in Computer Aided Design and Drafting. These programs focus on drafting and do not have a 3D graphics focus. http://www.dcc.edu/academics/business-technology/computer-science/computer-aided-design-drafting.aspx Fletcher Technical College has a 67 hour AAS, and multiple CTS and TCA programs focusing on drafting. These programs do not have a 3D focus http://www.fletcher.edu/index.cfm?md=pagebuilder&tmp=home&pid=489 Northshore Community College has a 61 hour AAS in Drafting and Design Technology. This program focuses on drafting and does not have a 3D focus. http://northshorecollege.edu/sites/default/files/images/cktfinder/files/NTCC_College_Catalog_2013-2014.pdf#page=37 SOWELA has a 60 hour AAS and multiple CTS and TCA programs focusing on Drafting and Design Technology. These programs do not have a 3D focus. https://www.sowela.edu/academics/Drafting-and-Design-Technology

IMPLEMENTATION DATE (Semester and Year)	Fall semester 2017

SITE(S) OF NEW PROGRAM OR CURRICULUM MODIFICATION		
☒ Main Campus	☐ All Campuses	☐ Sites (list below)
Site 1:		
Site 2:		
Site 3		
Site 4:		

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 #: 2	☐ Hire Adjunct Faculty #:_____	☐ Hire Full-Time Faculty #:_____
MINIMUM CREDENTIALS REQUIRED FOR FACULTY		
Education: Masters	Experience: 10 years	Certification: MSSC CPT

ANTICIPATED ENROLLMENT:					
Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY					
EVENING	24	26	28	30	32
Describe Process for Attaining & Estimating Enrollment:	Current Industrial Technology student interest, advisory board discussions, career fair interest, enquiries from local manufacturers for entry level employees				

PROGRAM ACCREDITATION:		
Is Program Accreditation, Licensure or Certification Required?	☐ Yes	☒ No
	If YES, please provide projected accreditation/licensure/certification date:	
Type/Name of Program Accreditation, Licensure or Certification Required:		

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

All resources including faculty, facilities, lab equipment, and library resources are already available.

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
First Semester						
MATH	102	College Algebra	3	0	48	3
TEED	140	Engineering Graphics	3	0	48	3
TEED	101	Basic Electricity and Lab	3	3	96	4
TEED	143	Introductory Computer Drafting	1	2	48	3
Second Semester						
TEED	144	Intermediate Computer Drafting	1	2	48	3
TEED	142	Industrial Graphics	3	0	48	3
TEED	150	Pneumatics	3	0	48	3
TEED	161 or 162	3D Elective Solidworks/Inventor	3	0	48	3
		Technical Elective from choices below	3	0	48	3

Technical Elective Choices						
AMFG	110	Manufacturing Materials and Fabrication Methods				
AMFG	202	Introduction to Lean Manufacturing and Six Sigma				
CONS	160	Construction Graphics and Specifications and Laboratory				
ISAF	210	Industrial Safety and Osha Standards				
OGPT	101	Introduction to the Exploration and Production of Oil and Gas				
TEED	102	Semiconductor Electronics and Lab				
TEED	158	Computer Drafting and Applications and Laboratory				

SIGNATURES:

College Chief Academic Officer — Date 3/20/17

College Chief Executive Officer — Date 3.20.17