LOUISIANA COMMUNITY & TECHNICAL COLLEGE SYSTEM

TO: Dr. Monty Sullivan
LCTCS President

THROUGH: Dr. Wendi Palermo
Chief Education and Training Officer

FROM: William Tulak
Director of Institutional Effectiveness

DATE: March 31, 2023

SUBJECT: Program Requests at Fletcher Technical Community College

APPROVED
4/12/23
LCTCS BOARD OF SUPERVISORS

FOR BOARD ACTION

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

Program Adoption

1. Associate of Applied Science (AAS) in Cybersecurity (CIP 11.1003) – **5 STARS**

Background: Fletcher Technical Community College (FTCC) is adopting the Associate of Applied Science (AAS) in Cybersecurity from Bossier Parish Community College. Fletcher's current Computer Information Systems program has related computer technology courses that will support the program. Labor market analysis project significant short-term and long-term openings for jobs in this field in the Houma-Bayou Region

Fiscal Impact: There will be no fiscal impact unless otherwise noted.

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

Benefits to the System: This request will allow FTCC to better meet student and workforce needs.

April 12, 2023

Approved for Recommendation to the Board   **Date**
Dr. Monty Sullivan

Cybersecurity - 03/27/2023

TYPE OF PROPOSED CHANGE : Archived Curriculum

PROGRAM NAME : Cybersecurity

AWARD LEVEL(S)

For Board of Regents and LCTCS Review:	
Associate of Applied Science (A.A.S.) **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 : 5 Stars	
Name: Cybersecurity	**Program Delivery Mode:** Online

CIP: 11.1003	**Credit Hours:** 60.00	**Contact Hours:** 0.00	Associate of Applied Science (A.A.S.)

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.

Fletcher is adopting the AAS in CYBER SECURITY (CIP 111001) from Bossier Parish Community College. The BPCC program was approved on February, 10, 2021 by the LCTCS BOS.

IMPLEMENTATION DATE (Semester and Year)	Fall 2023

HISTORY OF PRIOR ACTIONS
Provide an overview of changes to this program.

N/A

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

Labor market needs for this program projects significant short-term and long-term openings for jobs in this field in the Houma-Bayou Region.

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

QUALIFIED FACULTY (Check all that apply)

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

ADMINISTRATION and IMPLEMENTATION COSTS

Department :

How will this change affect the administrative structure and/or allocation of departmental funds in terms of:

Faculty :	**Facilities :**	**Library Resources :**
Support :	**Related Fields :**	**Other :**

MINIMUM CREDENTIALS REQUIRED FOR FACULTY

Education: Master's CIS or Computer Science or Cybersecurity	**Experience:**	**Certification:**

FISCAL IMPACT: ADMINISTRATION and IMPLEMENTATION COSTS

Department :

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.

Budget for full-time faculty ($47,000), plus adjunct ($2100 per class) as needed. Could reach up to $10,500 for adjunct classes taught.

ANTICIPATED ENROLLMENT:

Students	Year One	Year Two	Year Three	Year Four	Year Five
DAY	5	9	11	13	15

EVENING					
DISTANCE EDUCATION					
Describe Process for Attaining & Estimating Enrollment:	Based estimate on enrollment of sister colleges with constant small increase.				

PROGRAM ACCREDITATION:

Is Program Accreditation, Licensure or Certification Required?	Mandatory
	Accreditation status: Will Apply
Type/Name of Program Accreditation, Licensure or Certification Required:	Association of Technology, Management, and Applied Engineering (ATMAE)

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: Cybersecurity						**Credit Hours:** 60.00	
Semester: 1						**Credit Hours:** 15.00	
CTEC	1010	Information Technology Principles	3.00	0.00	3.00	3.00	0.00
CTEC	1020	Problem Solving and Programming Techni	3.00	0.00	3.00	3.00	0.00
CTEC	1070	Skills for Information Technology (IT) Sucess	3.00	0.00	3.00	3.00	0.00
CTEC	1080	Introduction to Management Information Systems	3.00	0.00	3.00	3.00	0.00
MATH	XXX	Contemporary Mathematics or College Algebra	3.00	0.00	3.00	3.00	0.00
Semester: 2						**Credit Hours:** 15.00	
CTEC	1550	Network Essentials	3.00	0.00	3.00	3.00	0.00
CTEC	1700	Microsoft Window Servers	3.00	0.00	3.00	3.00	0.00

CTEC	2100	Advanced Network Topics	3.00	0.00	3.00	3.00	0.00
ENGL	1010	English Composition I	3.00	0.00	3.00	3.00	0.00
		Approved Natural Science Elective (GER)	3.00	0.00	3.00	3.00	0.00
Semester: 3					**Credit Hours:** 15.00		
CTEC	2200	Cyber Defense	3.00	0.00	3.00	3.00	0.00
CTEC	2550	CNNA I	3.00	0.00	3.00	3.00	0.00
CTEC	2630	Cloud+	3.00	0.00	3.00	3.00	0.00
SPCH	1200	Introduction to Public Speaking	3.00	0.00	3.00	3.00	0.00
		Approved Social Science Elective	3.00	0.00	3.00	3.00	0.00
Semester: 4					**Credit Hours:** 15.00		
CTEC	2700	Relational Database Coding	3.00	0.00	3.00	3.00	0.00
CTEC	2790	Information Assurance	3.00	0.00	3.00	3.00	0.00
CTEC	2800	Computer Forensics	3.00	0.00	3.00	3.00	0.00
CTEC	2870	Network Security Design	3.00	0.00	3.00	3.00	0.00
		Approved Humanities Elective	3.00	0.00	3.00	3.00	0.00

BENEFITS TO THE SYSTEM

Discuss how this change will benefit your students, your community, and the LCTCS.

We are adopting this program to start a foundation for Cybersecurity and later develop a path or concentration to marine cyber.

KEYWORDS

Cyber Security, AAS

Freshman Year

First Semester: 15 Hours

Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
CTEC 101:Information Technology Principles	Credit Hours: 3			
or Approved CTEC Elective **Credit Hours: 3***				
CTEC 102:Problem Solving and Programming Techniques	Credit Hours: 3			
CTEC 107:Skills for Information Technology (IT) Success	Credit Hours: 3			
ENGL 101:Composition and Rhetoric I	Credit Hours: 3			
MATH 101:Applied Algebra for College Students **or**	Credit Hours: 3			
MATH 102:College Algebra	Credit Hours: 3			

Second Semester: 15 Hours

Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
CTEC 104:Introduction to Scripting	Credit Hours: 3			
CTEC 112:IT Hardware Support	Credit Hours: 3			
CTEC 114:IT Software Support	Credit Hours: 3			
CTEC 172:Linux Server	Credit Hours: 3			
• Natural Science Elective **Credit Hours: 3**				

Sophomore Year

Third Semester: 15 Hours

Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
CTEC 155:Network Essentials	Credit Hours: 3			
CTEC 170:Microsoft Windows Servers	Credit Hours: 3			
CTEC 255:CCNA I *or*	Credit Hours: 4			
CTEC 210:Advanced Network Topics	Credit Hours: 3			
Approved CTEC Elective **Credit Hours: 3*** Humanities Elective **Credit Hours: 3**				

Fourth Semester: 15 Hours

Course Name	Credit Hours:	Term Taken	Grade	Gen Ed
CTEC 279:Information Assurance	Credit Hours: 3			
CTEC 280:Computer Forensics	Credit Hours: 3			
CTEC 287:Network Security Design	Credit Hours: 3			
CTEC 299:CTEC Internship	Credit Hours: 3; 100 internship hours			
• Behavioral/Social Science Elective **Credit Hours: 3**				

Total Credit Hours: 60

Notes:

Signature: *William Tulak*

   Email: williamtulak@lctcs.edu

Signature: *Wendi Palermo*

   Email: wendipalermo@lctcs.edu

F.3.FTCC Consent April 2023

Final Audit Report 2023-04-03

Created:	2023-04-03
By:	Sara Kleinpeter (sarakleinpeter1@lctcs.edu)
Status:	Signed
Transaction ID:	CBJCHBCAABAABShnvtOUT-rqoh2OxC1uwi3WS_6n_UKm

"F.3.FTCC Consent April 2023" History

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Signature Date: 2023-04-03 - 6:55:31 PM GMT - Time Source: server- IP address: 76.165.122.227

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