LOUISIANA'S COMMUNITY & TECHNICAL COLLEGE SYSTEM

Program Health Index Report

Part A: Program Information

COLLEGE:	Northshore Technical Community College			YEAR IN REVIEW:	2023-2024
PROGRAM CIP CODE:	480508	CREDIT HOURS:	45	CONTACT HOURS:	
PROGRAM TITLE:	Welding	PROGRAM SOC CODE:	51-4121		
LINK FROM WEBSITE/CATALOG TO CURRICULUM:	Program Catalog Link				

CAMPUSES OFFERING PROGRAM

☐ MAIN CAMPUS	☐ ALL CAMPUSES	☒ SITES (LIST BELOW)	☐ DISTANCE LEARNING

- Sullivan Campus
- Florida Parishes Campus
- Lacombe Campus

- Hammond Campus
- Livingston Campus

PROGRAM STAR RATING

☐ 5 Stars	☒ 4 Stars	☐ 3 Stars	☐ 2 Stars	☐ 1 Star	☐ NA (Transfer Program)

AWARDS OFFERED

Award Level(s):

☐ Associate of Applied Science (A.A.S.)

☐ Associate of Science (A.S.)

☐ Associate of Arts (A.A.)

☐ Other Associate Degree

Name:

☒ Technical Diploma (T.D.)

☒ Career and Technical Certificate (C.T.C.)

☒ Certificate of Technical Studies (C.T.S.)

☐ Certificate of Applied Science (C.A.S.)

☐ Certificate of General Studies (C.G.S.)

SECTION 1: ENROLLMENT, RETENTION, AND COMPLETION				
AY		# STUDENTS ENROLLED	% CHANGE FROM BASELINE	DISCUSS ENROLLMENT HISTORY AND ENROLLMENT FOR PROGRAM SUSTAINABILITY (IF INCREASED, INCLUDE EVIDENCE OF CONTRIBUTING FACTORS/IF DECREASED, DISCUSS RATIONALE AND IMPLEMENTATION PLANS FOR IMPACT)
2023-2024		274	15% (from baseline)	
2022-2023		249	5% (from baseline)	
2021-2022		238	Baseline	

DISCUSS ENROLLMENT TRENDS

The Welding program experienced a 15% change increase in enrollment from year one to year three.

Recruitment initiatives include NTCC attendance at college fairs targeted at high school students and the general public, utilization of Conex ED software to communicate with prospective students, hosting on-campus open house events that highlight our various programming, supplementing recruitment efforts with the use of social media as well as other forms of media and advertisement. Additionally, college-wide admissions and recruitment efforts are overseen by our Director of Enrollment Management. Lastly, NTCC's strategic plan and Quality Enhancement Plan focuses on realizing institutional goals and objectives directly related to program expansion and student achievement. Taken together, these efforts are expected to positively impact program enrollment.

Source: IPEDS 12 Month Unduplicated Enrollment; Summer semester leading
Note: Students may change majors throughout the academic year. To account for this, students' major (as coded in Banner) as of their term last enrolled was used.

ENTER GRADUATES BY AWARD TYPE*

AY	Associate	Diploma	Certificate	CTC (A1)	"Pre" programs	Total (unduplicated) Completers
2023-2024	-	68	12	158		**238**
2022-2023	-	57	9	149		**215**
2021-2022	-	63	1	110		**174**

TOTAL CREDENTIALS AWARDED**

AY	Associate	Diploma	Certificate	CTC	Total Awards
2023-2024	-	74	94	241	**409**
2022-2023	-	61	73	241	**375**
2021-2022	-	64	61	167	**292**

DISCUSS COMPLETION TRENDS

*__Completer/Graduate__ number is unduplicated by highest credential earned, meaning that each student is counted once, regardless of the number of credentials earned within a given year.

Listed below is the total number of unduplicated completers/graduates per academic year, across all award types:

AY 2023-2024: 238
AY 2022-2023: 215
AY 2021-2022: 174

The total unduplicated, number of program completers each academic year has steadily increased, showing increases from year 1 to year 3. Over the specified three-year period, the program has completed an average of 209 students annually.

**__Total Credentials Awarded__ indicates the total number of program credentials awarded within a given academic year. This number is duplicated; meaning that a student may have been awarded more than one credential within a given program within an academic year.

FALL TO SPRING RETENTION		
AY	# OF STUDENTS RETAINED	% OF STUDENTS RETAINED
Fall 2023 to Spring 2024	59 (out of 67)	88%
Fall 2022 to Spring 2023	50 (out of 60)	83%
Fall 2021 to Spring 2022	40 (out of 49)	82%
Three-year average:		**84%**

Source: State Operational Plan
Note: Data represent the percentage of first-time, full-time, degree seeking students enrolled during a given fall semester who returned to the College in the following spring semester. Students who transferred in the Spring semester were excluded from retention calculations.

		AVERAGE TOTAL COST OF ATTENDANCE FOR STUDENTS IN PROGRAM
2023-2024	Associate	-
	Diploma	$6,304.56
	Certificate	$4,203.04

Program cost of attendance is based on completion of the program at the indicated exit level by a full-time student enrolled in 12-15 credit hours per semester. Tuition & Fees for students enrolled in 12-15 credit hours = $2,101.52.

AVERAGE MONTHS TO COMPLETION BY AWARD TYPE			
Associate	Diploma	CTS	CTC
-	18 months/3 semesters	12 months/2 semesters	5 months/1 semester

# CREDIT & CLOCK HOURS TO COMPLETION BY AWARD TYPE					
Associate - Credit	N/A	Diploma - Credit	45	Certificate- Credit	22
Associate - Clock	N/A	Diploma - Clock	N/A	Certificate- Clock	N/A

SECTION 2: JOB DEMAND, PLACEMENT, AND TRANSFERS			
	EMPLOYMENT OPPORTUNITIES UPON EXIT PER AWARD LEVEL	AVERAGE LOCAL SALARY*	AVERAGE STATE SALARAY*
Associate	N/A		
Diploma	Welders, Cutters, Solderers, and Brazers (51-4121)	$52,208 (HAM-MSA) + $55,501 (NO-MSA) $70,011 (BR-MSA)	$56,362
Certificate	N/A		
CTC (A1/A2)			
SHORT-TERM ANNUAL DEMAND FOR GRADUATES**:	2,584		
LONG-TERM ANNUAL DEMAND FOR GRADUATES**:	12,736		

*Average salary data retrieved from Louisiana Workforce Commission, Wages and Labor Data, LMI Statistics, Occupational Wage Data (2023)

[+] HAM-MSA = Hammond Metropolitan Statistical Area
NO-MSA = New Orleans Metropolitan Statistical Area
BR-MSA = Baton Rouge Metropolitan Statistical Area

** Number represents the estimated number of job openings annually. Demand data retrieved from Louisiana Workforce Commission, Wages & Labor Data, LMI Statistics, Projections by Occupation and Industry, Statewide Short-term Occupational Projections for All Occupations to 2025, Statewide Long-term Occupational Projections for All Occupations to 2032.

	INCLUDE MOST RECENT AND HISTORICAL NUMBER OF TRANSFERS (IF APPLICABLE) AND THE INSTITUTION OF TRANSFER
	# STUDENTS TRANSFERRING
	Program not intended for transfer.

SECTION 3: REVENUE AND COSTS

COST TO COLLEGE TO OFFER PROGRAM (MOST RECENT FY):	$980,613.00
TOTAL REVENUE GENERATED FROM PROGRAM (MOST RECENT FY):	$854,038.42
REVENUE MINUS COST (NET REVENUE):	$(126,574.58)

*Cost to college obtained from NTCC Operating Budget Booklet, BOR-4, Total Costs by Function
**Total program revenue obtained from Tuition Fee Income Data by CIP Cognos report. Report excludes waivers from revenue generated totals. Note: The total program revenue amount only includes revenue generated from student tuition and fees and does not consider other sources of program revenue (e.g. state appropriations).

SECTION 4: PARTNERSHIPS AND ADVISORY COMMITTEE (IF APPLICABLE)

Business Name	College Program / Department / Foundation	Serves on an Advisory Committee	Hires Graduates	Donates Resources	Provides Scholarships	Provides Internships to Students / Graduates	Engages in Contact Training	New Program Creation	Other (list)
1. RES Plant Services	Welding		X			X		X	
2. RLC Construction	Welding	X	X			X			
3. Sandy Hook Machine and Welding Shop	Welding		X			X		X	
4. Southland Steel	Welding		X	X				X	
5. Thomas Industrial	Welding	X	X	X		X			
6. Weyerhaeuser	Welding	X	X	X		X			
7. Zenoh-Grain	Welding	X		X					X
8. Ingalls Shipyard	Welding	X	X	X		X	X		
9. ISC Contractors	Welding	X	X			X			
10. Acme Machine & Welding	Welding	X	X	X					
11. Bradken	Welding	X	X				X		
12. EBI Machining	Welding	X	X			X			
13. Edison Chouest Offshore	Welding	X	X	X					
14. International Paper	Welding	X	X			X	X		
15. Local 60 Pipe Trades	Welding	X	X			X			
16. Shell Exploration & Production Company	Welding	X		X			X		
17. Turner Industries	Welding	X	X	X					
18. ALPAX0	Welding	X	X			X			
19. American Industrial Plant Services	Welding		X			X		X	
20. Brown and Root Industrial Services	Welding		X			X		X	
21. CB &I	Welding	X	X	X					
22. Chevron	Welding			X		X		X	
23. Ferrara Fire Apparatus	Welding	X	X	X					
24. Grand Isle Shipyard	Welding	X	X			X			
25. Hughes Machine Shop	Welding	X	X	X		X			
26. Laitram Corp.	Welding	X	X	X		X	X		

REV 12/10/23

SECTION 5: PROGRAM ASSESSMENT

List program goals for enrollment, completion, and retention for the next 3 years.

1. Enrollment Goal: Increase in degree seeking enrollment
    a. From 274 students enrolled in 2023-2024 to 300 students enrolled by 2026-2027
2. Completion Goal: Increase number of unduplicated completers.
    a. From 238 completers in 2023-2024 to 250 completers by 2026-2027
3. Retention Goal: 2% point increase in fall to spring retention
    a. From 88% retained in 2023-2024 to 90% retained by 2026-2027

Discuss Program Learning Outcomes (PLOs) and address what are they, how are they measured (final capstone course, standardized exam, etc..) and the process for re-evaluation (frequency of assessment). Please indicate which national standard (if any) you are using to establish program learning outcomes.

1. Program Learning Outcomes (PLOs):
    - Integrate safety practices related to specific hazards/environment and personal protective equipment (PPE) to ensure a safe and secure workspace.
    - Structure a productive welding workspace through proper machine set-up, calibration, and material application.
    - Produce quality welds according to specifications and position using the Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), and Gas Tungsten Arc Welding (GTAW) processes.
    - Produce quality cuts according to specifications using Oxyfuel Cutting (OFC) and Plasma Arc Cutting (PAC) processes.
    - Interpret technical information used on welding drawings and blueprints.

2. Indicate how you are measuring PLOs:
    - NTCC faculty members and Associate Provosts develop program-level operational outcomes and student learning outcomes for each educational program offered by the college. Programs of study at NTCC have a minimum of five program-level student learning outcomes. Multiple measures are adopted for each program-level student learning outcome, one of which must be a direct measure of learning (i.e. as the results of an exam).

3. PLO Frequency of assessment:
    - Assessment is conducted over a two-year period. A formative report is submitted after the conclusion of the first year within a cycle to document progress related to student achievement. At the conclusion of the two-year cycle, a summative report is submitted for each program which analyzes assessment findings as well as documents results and evidence. Upon the close of a cycle, faculty develop and implement action plans that seek to improve teaching and learning within the program related to achievement of each program-level student learning outcome.

4. Indicate National Standard used to establish PLOs (if applicable)

Part B: Program Recommendations

RECOMMENDATIONS
Chancellor Recommendation on Program: **CONTINUE,** **MODIFY, TERMINATE, OR EXPAND**
If the program is being modified what changes will be made?
Include most recent program health index report with recommendations (if recommendations were made)
Provide a short narrative describing how the recommendations were addressed (if applicable)

SIGNATURES:

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College Chief Executive Officer

4/14/25

Date