Wyoming Community College Commission

NEW PROGRAM REQUEST FORM

College	Laramie County Community College
Date	May 10, 2021
Program Title	Data Analytics Systems Administrator

Type of Credential	☐ AA	☐ AS	☐ AFA	☐ AAS	☐ Certificate
	☒ Other	Credit Diploma			

Total Credit Hours	32
CIP Code	11.0802
Classification of Instructional Programs/CIP obtained from the National Center for Educational Statistics at https://nces.ed.gov/ipeds/cipcode/browse.aspx?y=55 . Double check your recommendation with the course coordinator and/or Student Records.	
Title	Business Intelligence Analyst

Rationale for request	
Type of Program	☐ Transfer preparation ☐ Short term workforce placement ☒ One-year workforce placement ☐ Special need endorsement
Certificate Questions *More than one may apply*	☒ **Yes** ☐ **No** local or state employer or industry specific ☐ **Yes** ☒ **No** nationally recognized ☒ **Yes** ☐ **No** examination or licensure preparation ☐ **Yes** ☒ **No** practicum ☐ **Yes** ☒ **No** stackable Title IV Financial Aid Eligible ☒ **Yes** ☐ **No** *(minimum of 16 semester hours)* *(Stafford Loans, Perkins Grants, Pell Grants and Federal Campus-based Grants)*
New program start	☐ NA **OR** identify the semester the program will start: Fall 2022
Taught by non-accredited vendors?	☐ YES (see below) ☒ NO Click or tap to enter text.
WCCC or State Priority	☒ YES (see below) ☐ NO *(See the WCCC website, there are several programs which have a state priority, such as the Governor's Economically Needed Diversity Options for Wyoming/ENDOW* Information Technology – Data Warehousing and Business Data Intelligence

Program Curriculum	
Program Description	The Data Analytics Systems credit diploma is designed to provide students with the essential skills and knowledge to administer core data warehousing and analysis systems. Graduates of this program demonstrate the expertise necessary to leverage data systems for actionable business intelligence.
New Curriculum	☒ YES (see below) ☐ NO
List the new courses alphabetically. Include prefix, course number, course title, credit hours. Check the Wyoming Transfer Catalog for possible courses and numbers. Additionally, WCCC has a statewide common	

course numbering system (CCNS). Colleges must ensure all new courses are aligned with the CCNS. Confirm this alignment with the course coordinator and/or Student Records. Note that CCNS alignment and/or new course title and number requests to the WCCC will take at least a week to process.

College Catalog Considerations (check all that apply)	Prefix	Number	Title	Credits	^LOI
☒ New course ☐ New number ☐ New prefix ☐ New title ☐ CCNS alignment	MSFT	2825	Microsoft Power Platform Fundamentals	3	3
☒ New course ☐ New number ☐ New prefix ☐ New title ☐ CCNS alignment	MSFT	2830	Analyzing Data with Microsoft PowerBI	4	3
☒ New course ☐ New number ☐ New prefix ☐ New title ☐ CCNS alignment	CMAP	2620	Data Governance – Policy and Ethics	3	2
☒ New course ☐ New number ☐ New prefix ☐ New title ☐ CCNS alignment	MSFT	2925	Microsoft Dynamics 365 Fundamentals	4	3
☒ New course ☐ New number ☐ New prefix ☐ New title ☐ CCNS alignment	MSFT	2950	Introduction to Azure Machine Learning	4	3
☐ New course ☐ New number ☐ New prefix ☐ New title ☐ CCNS alignment	Click or tap here.	Click or tap here.	Click or tap here to enter text.	Click or tap here.	Click or tap here.
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☐ New course ☐ New number ☐ New prefix ☐ New title ☐ CCNS alignment	Click or tap here.	Click or tap here.	Click or tap here to enter text.	Click or tap here.	Click or tap here.
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☐ New course ☐ New number ☐ New prefix ☐ New title ☐ CCNS alignment	Click or tap here.	Click or tap here.	Click or tap here to enter text.	Click or tap here.	Click or tap here.
			TOTAL CREDITS	**18**	

^Course Coordinator can provide.

Similar programs in Wyoming? *(See WCCC Program List)*	☐ **Yes (list Colleges below)** ☒ **No** Click or tap here to enter text.		
Discussions with other Community Colleges	☐ **Yes (see below)** ☒ **No (see rationale below)** This is a new program for the state, and is not currently being pursued by other colleges, as per conversations during course equivalency discussions in Spring 2021. These discussions included Jennifer Allen, WWCC; Troy Amick, LCCC; Nicole Anderson, WCCC; Leesa Lee, WWCC; Christina Rigdon, NWCCD; Stu Moore, WWCC; Krissy Wallage, CWC; Brandon Wilson, EWC; Matt Herr, CWC; Marjorie Anderson, CCC; and Lisa McClure, WWCC.		
Additional Resources (faculty, support services, equipment or supplies)	☒ **Yes (see below)** ☐ **No** **STAFFING IMPACT:** Faculty training requirements, adjunct faculty identification and employment, full-time faculty to assist with additional instructional load **BUDGET IMPACT:** Minimal impact associated with program implementation; eventual faculty positions in information technology discipline are anticipated as demand for this credential rises.		
Primary Student Audience	Data science professionals, industry professionals, students seeking careers in business intelligence and data warehousing, IT Pathway graduates looking to expand skillsets		
Anticipated three-year unduplicated headcount	Year one: 12	Year two: 14	Year three: 17

Projected Demand in Wyoming and Nationally
(Labor market anticipated demand upon completion of the program and wages for this career field)

Suggested data sources for Occupational Outlook and Wages:

- Career One Stop- US Department of Labor
- Bureau of Labor Statistics (occupational outlook handbook) https://www.bls.gov/ooh/
- Wyoming Labor Market Information (WLMI) http://doe.state.wy.us/lmi/

Projected Demand

Location	Employment			
	Year 2020	**+10 years**	**Percent Change**	**Job Openings**
UNITED STATES	50,042	96,544	+92.9%	46,502
	Employment			
	Year 2020	**+10 years**	**Percent Change**	**Job Openings**
WYOMING	1100	3085	+180.5%	1,985

State and National Wages

Location	Pay Period	Year 2019				
		10%	25%	Median	75%	90%
UNITED STATES	Hourly	$25.86	$33.39	$44.04	$57.28	$70.80
	Yearly	$53,800	$69,500	$91,600	$119,100	$147,300
WYOMING	Hourly	$23.96	$31.19	$40.14	$51.50	$63.36
	Yearly	$49,800	$64,900	$83,500	$107,100	$131,800

APPENDIX A- PROGRAM TERM BY TERM PLAN
Provide the program's term by term plan below

WCCD PROPOSED PROGRAM OF STUDY FOR: Data Analytics Systems Credit Diploma

RECOMMENDED CURRICULUM SEQUENCE: PROPOSED			
COURSE			
Prefix	**Number**	**Title**	**Credits**
Fall Semester 1st Year			
STAT	2010	Statistical Concepts – Business	4
MSFT	2825	Microsoft Power Platform Fundamentals	3
MSFT	2830	Analyzing Data with Microsoft Power BI	4
CMAP	1815	Database Applications	3
CMAP	1200	Computer Information Systems	3
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
		TOTAL FALL SEMESTER	17
Spring Semester 1st Year			
MATH	2355	Statistical Concepts - Business	4
CMAP	2620	Data Governance – Policy and Ethics	3
MSFT	2925	Microsoft Dynamics 365 Fundamentals	4
MSFT	2950	Introduction to Azure Machine Learning	4
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.
		TOTAL SPRING SEMESTER	15
		TOTAL PROPOSED PROGRAM CREDITS	**32**