Program Analysis

BUDGET REALLOCATION SUPPORT

LCCC IR Office
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Methodology

The information below provides the metrics and analysis group details utilized in this study. The data results are available in a separate document. Please note that supplemental data are available upon request.

Metrics and Limitations

Below are the measures used in the analysis organized by general characterization areas (value, effectiveness, and efficiency). The definition and source of the measures' data are provided. Limitations are noted by measure. The table utilized indicates which basic categorization was used to pull the data. For example, FTE is pulled from enrollment in sections and not from students who declared a program of study within the analysis group, so the basic foundation for the organization of those data comes from the subject code table. The organizational tables are described in subsequent sections.

Important notes on the overall design and limitations of this analysis system: this system is designed to measure program/course performance, cost, and economic potential/outcomes. While the community investment measure is designed to try to capture the value that our community holds for each program area, this measure is not comprehensive in capturing LCCC's community and cultural impact, involvement, and contributions. Community- and culturally-based context is necessary for fully understanding the value of LCCC's program areas. The IR office is working on designing new metrics to meet these needs, particularly in the areas of community involvement and diversity in the learning environment.

Measures	Definition	Source	Table Utilized
Value (Y axis)			
A.1 Annual FTE	Annual FTE enrollment (summer-fall-spring) in all course sections in the program analysis group. Remedial courses are included. Limitations: Newer programs may have a lower FTE or no FTE to report. There may be large fluctuations in enrollment totals between subject areas within an analysis group that may be masked by the overall total.	Colleague Records	Analysis groups by subject code
A.2 Annual Unduplicated Headcount (KPI A.1.b)	Unduplicated annual count (summer-fall-spring) of individuals enrolled in one or more course sections in the program analysis group. Remedial courses are included. Limitations: Newer programs may have a lower headcount or no headcount to report. There may be large fluctuations in enrollment totals between subject areas within an analysis group that may be masked by the overall total.	Colleague Records	Analysis groups by subject code
A.3 Number of declared majors (KPI C.1.a, D.1.a)	Unduplicated headcount of students who had a declared program of study in the program analysis group at any time during the fiscal year (July 1 – June 30). Limitations: Newer programs may have a lower number of majors or no majors to report.	Colleague Records	Analysis groups by program of study

A.5 3-Year projected growth rate in occupations	Average regional projected growth rate for occupations related to a program analysis group based on the most recently available quarter. A crosswalk of CIP (Classification of Instructional Programs) codes and SOC (Standard Occupational Classification) codes was used to determine which occupations are related to a program group. NOTE: This measure is weighted. It counts as two measures instead of one. Limitations: The growth rate was based on the first quarter of 2020, as this was the only quarter where growth rates were available. It is unknown how the COVID-19 pandemic may have influenced the results. Additionally, the results are strongly influenced by the CIP codes that are related to each program of study.	JobsEQ	Analysis groups by SOC code
A.6 Job listings	Regional number of job postings for occupations related to a program analysis group for the past 12 months. A crosswalk of CIP (Classification of Instructional Programs) codes and SOC (Standard Occupational Classification) codes was used to determine which occupations are related to a program group. Limitations: The results are strongly influenced by the CIP codes that are related to each program of study. CIP codes that map to a larger number of SOC codes may see more positive results in their analysis groups.	JobsEQ	Analysis groups by SOC code
A.7 Wages for occupations	Average regional median salary for individuals working in occupations related to a program analysis group. A crosswalk of CIP (Classification of Instructional Programs) codes and SOC (Standard Occupational Classification) codes was used to determine which occupations are related to a program group. Limitations: Attaining the reported salary for each analysis group may require additional experience and education beyond LCCC. Additionally, the results are strongly influenced by the CIP codes that are related to each program of study.	JobsEQ	Analysis groups by SOC code
A.8 Program Uniqueness	Percentage of programs by CIP code and program ID that are active at LCCC when compared to the other community colleges in Wyoming, per the 2020 catalog. The percentage represents the "share" that LCCC holds in a particular analysis group, meaning that a higher percentage corresponds to a higher uniqueness rating in the state. Limitations: The results are strongly influenced by the CIP codes that are related to each program of study and variations in how programs' CIP codes are determined at each college.	CSI	Analysis groups by CIP code
A.9 Community Investment	Sum of the amount of money within two fiscal years donated to the LCCC foundation for the given analysis group. Limitations: Foundation donations can fluctuate wildly from year to year. It was attempted to mitigate this situation by including two years of data instead of only one year. Additionally, some of the funding alignments may need to be adjusted for future analyses for a more accurate depiction of funding to specific programs within a pathway.	LCCC Foundation	Analysis groups by LCCC Foundation funding source
Effectiveness (X axis)			
B.1 Course success rate (KPI A.7)	Course success rate for all course sections in the program analysis group for the academic year (fall-spring-summer). AUD, NG, I, W, and missing grades are excluded from the calculation.	Colleague Records	Analysis groups by subject code

| | Success rate = (number of A, B, C, and S grades)/(total number of official student enrollments)

Limitations: Courses with high rates of withdrawals are not captured. Newer programs may not have data to report. | | |
|---|---|---|---|
| B.2 Graduation rate (KPI A.4) | Students who declare a program of study in the program analysis group during the first half of a fiscal year (July 1 – December 31) or are members of an incoming cohort during the corresponding calendar year are tracked for three academic years, through August 31 of the third year, to determine who completes their programs of study. (For example, the fall 2011 majors were tracked through summer 2014.) The graduation rate = (# completers)/(# declared majors). NOTE: This measure is weighted. It counts as two measures instead of one. Exclusions: Students who have not completed any credits within the program analysis group by the end of the tracking period are excluded from the analysis.

Limitations: This measure does not capture students who take longer than three years to complete a program of study. It also does not capture if a student graduates after changing programs, even if the program they change to is in the same analysis group. Newer programs may not have data to report. There may be large fluctuations in graduation rates between programs within an analysis group that may be masked by the overall rate. | Colleague Records | Analysis groups by program of study |
| B.3 Number of degrees and certificates awarded (KPI C.2.a, D.2.a) | Total number of degrees and certificates awarded in the reporting year (summer, fall, spring).

Limitations: Newer programs may not have data to report. There may be large fluctuations in graduation totals between programs within an analysis group that may be masked by the overall total. | Colleague Records | Analysis groups by program of study |
| B.4 Number of majors matriculating to university (KPI C.3) | The cohort of students identified for measure B.2 is tracked for three years, through the summer semester, to determine who transfers to a four-year college or university in that time frame. (For example, the fall 2011 majors were tracked through the summer 2014 semester.) Applicable only to transfer (AA or AS) programs.

Limitations: Newer programs may not have data to report. There may be large fluctuations in transfer totals between programs within an analysis group that may be masked by the overall total. | Colleague Records and National Student Clearinghouse | Analysis groups by program of study |
| B.5 University matriculation rate (KPI C.3) | Matriculation rate = (# majors who transfer [B.4])/(#fall majors [B.2]). Applicable only to transfer (AA or AS) programs.

Limitations: Analysis groups with both CTE and transfer programs may see artificially low results. Additionally, newer programs may not have data to report. Lastly, there may be large fluctuations in transfer rates between programs within an analysis group that may be masked by the overall rate. | Colleague Records and National Student Clearinghouse | Analysis groups by program of study |
| B.6 Number of Wyoming job placements (KPI D.3) | Number of CTE graduates within a 3-year timeframe who are employed two years after completing their program. Applicable only to CTE (AAS, ADN, CERT, CRED, CD) programs.

Limitations: These data are restricted to Wyoming employment only and do not indicate whether the graduates are working | Department of Research & Planning Dashboard (combination of Colleague Records | Analysis groups by program of study |

	within their field of interest. Additionally, the data do not take into account whether a CTE graduate continued to a four-year institution. Lastly, newer programs may not have data to report.	and Unemployment Insurance Records)	
B.7 Wyoming job placement rate (KPI D.3)	Placement rate = (result for B.6)/(# CTE graduates) These data are restricted to Wyoming employment only. Applicable only to CTE (AAS, ADN, BAS, CERT, CRED, CD) programs. Limitations: These data are restricted to Wyoming employment only and do not indicate whether the graduates are working within their field of interest. Additionally, the data do not take into account whether a CTE graduate continued to a four-year institution. Lastly, newer programs may not have data to report.	Department of Research & Planning Dashboard (combination of Colleague Records and Unemployment Insurance Records)	Analysis groups by program of study
Efficiency (X axis)			
D.4 Core expenditures per FTE (KPI G.1)	Instructional expenditures (minus consumable lines) are summed across the budget lines related to the program group. (See Appendix III.) That sum is then divided by the total FTE [A.1]. A smaller cost per FTE scores better on this measure. Limitations: Newer programs, analysis groups without budgets, and analysis groups with no FTE may not have data to report. Additionally, there may be large fluctuations in instructional expenditures and FTE between cost centers within an analysis group that may be masked by the overall average cost. Further, schools manage their budgets in different ways. For example, some school maintain professional development money in the programs' budgets while others maintain those moneys in the dean's budget. So variations in cost per student FTE may be influenced by this variation in budget management.	Colleague Records and Budget Office	Analysis groups by cost center
D.5 Enrollment threshold rate	Threshold rate = (number of sections at or above the annual enrollment threshold based on official [12% census date] enrollment in the academic year)/(total number of sections taught in the same year) Limitations: Programs or courses that require a small cohort or class size are adversely impacted by this measure. Additionally, there may be large fluctuations in class sizes between subject areas, courses, and individual sections that may be masked by the overall threshold rate.	Colleague Records and Budget Office	Analysis groups by subject code

Analysis Groups by Program of Study

Analysis groups are used instead of individual programs in this analysis because of the variety of metrics that are included. For example, subject-level results and occupational information are also included in the analysis, which requires broader groups than an individual program. All analysis groupings were reviewed by the school deans prior to implementation.

An undergraduate program is included in an analysis group if it meets at least one of the following criteria:

- The program had at least one student declared in the 19-20 year (start of 2019 Fall - day before start of 2020 Fall), based on start and end dates of the students in the program. This criterion is why there are some inactive or hiatus programs included in the list below.
- The program had an active status in Colleague at some point during the 19-20 year (start of fall 2019 Fall - day before start of 2020 Fall), based on the start and end dates of the program.

Pathway	Analysis Group	Program ID	Program Description	Program Current Status
A&E (Agriculture and Equine Science)	A&E Pathway	AAS.AG.EQUINE.PW	AAS – Agriculture & Equine	Active
	Agriculture	AS.AGRI.AGBUS	AS - Agricultural Business	Active
		AAS.AGPRD	AAS - Ag Production Technology	Active
		AS.AGRI.ANSCI	As - Animal Science	Active
		AS.NAT.RES.MGT	AS - Natural Resource Management	Active
		AS.AGRI	AS - Agriculture	Inactive
		AAS.AGRIBUS	AAS - Agribusiness Technology	Inactive
		AAS.TECH.AGOP	AAS - Technical Agriculture Operations	Inactive
		AS.AGRI.AGRO	AS - Agriculture - Agroecology Concentration	Inactive
		AS.AGRI.RNGE	AS - Agriculture - Rangeland Ecology and Management Concen	Inactive
	Equine Science	AS.EQSCI	AS - Equine Science	Active
		AAS.EQST	AAS - Equine Training Mgmt	Active
		CD.EQST.TRN	CD - Equine Training	Active
		AS.EQBUS	AS - Equine Business Mgmt	Inactive
B&A (Business and Accounting)	B&A Pathway	AAS.BUS.ACCT.SVS	AAS - Business, Accounting Services	Active
		AAS.BUS.FIN.SVS	AAS - Business, Financial Services	Active
		AAS.BUS.SUP.CHN.MGT	AAS - Business, Supply Chain Management	Active
		AAS.BUS.APPL.MGT	AAS - Business, Applied Management	Active
		BAS.APPL.MGT	BAS - Applied Management	Active
		CD.BUS.ENTR	CD - Business, Entrepreneurship	Active
		AS.BUS.ACCT.PW	AS - Business & Accounting	Active
		AAS.ACCT	AAS - Accounting	Inactive
		AS.ACCT	AS - Accounting	Inactive
		AAS.ACCT.FIN	AAS - Accounting, Financial Services Concentration	Inactive
		AS.BUS.FIN	AS - Business and Finance	Inactive
		AAS.BANK	AAS - BANKING AND FINANCE	Inactive
		AS.BUS	Associate of Science in Business	Inactive
		AAS.BUSMGT	AAS - Business Management	Inactive
		AAS.BUSMGT.SUPCHN	AAS - Business Management - Supply Chain Concentration	Inactive
		AAS.BOTK	AAS - BUSINESS OFFICE TECHNOLOGY	Inactive
		AAS.ENTREPREN	AAS - Entrepreneurship	Inactive
		CD.ENTR	CD - Entrepreneurship	Inactive
		CD.ENTR.BUSPLAN	CD - Entrepreneurship Business Plan	Inactive
		AAS.BUS.SBMGT	AAS - Business, Small Business Management	Inactive
		AAS.BMGT	AAS - BUSINESS MANAGEMENT	Inactive
CCA (Communication and Creative Arts)	Art	AA.ART	AA - Art	Active
	CCA Pathway	AA.CCA.PW	AA - Communication & Creative Arts	Active
		AA.ENGLISH	AA - English	Hiatus
		AA.ILA	AA - Interdisciplinary Liberal Arts	Inactive

		AA.LIBERAL.ARTS	AA - LIBERAL ARTS	Inactive
		AA.GSTUD	AA - General Studies	Inactive
		AA.GSAH	AA - Gen Stud Arts & Humanities	Inactive
		AA.MASSMEDIA	AA - Mass Media	Hiatus
		AA.MULTIMEDIA	AA - Multimedia	Hiatus
		AA.SPAN.EDUC	AA - Spanish, Education Concentration	Hiatus
		AA.SPAN.LA	AA - Spanish, Liberal Arts Concentration	Hiatus
	Music	AA.MUSIC	AA - Music	Active
		AA.MUSIC.VOCED	AA - Music, Vocal Education	Hiatus
		AA.MUSIC.INPF	AA - Music, Instrumental Performance	Hiatus
		AA.MUSIC.INED	AA - Music, Instrumental Education	Hiatus
		AA.MUSIC.VOCPF	AA - Music, Vocal Performance	Hiatus
	Theatre	AA.THEA	AA - Theatre	Active
		AA.ILA.THEA	AA - Interdisciplinary Liberal Arts, Theatre	Inactive
HPS (Human and Public Services)	Criminal Justice	AA.CRMJ	AA - Criminal Justice	Active
		AA.PRELAW	AA - Criminal Justice, Prelaw	Inactive
		AA.CORRECTIONS	AA - Criminal Justice, Corrections	Inactive
		AA.LAW.ENFORCE	AA - Criminal Justice, Law Enforcement	Inactive
		AA.CORRECTION.PRELAW	AA - Criminal Justice, Corrections/Pre-Law	Inactive
	Education	AA.ELEM.EARLY.EDUC	AA - Elementary & Early Childhood Education	Active
		AA.SECONDARY.EDUC	AA - Secondary Education	Active
		AA.EDUCATION	AA - Education	Inactive
		AA.ELEM.EDUC	AA - Education, Elementary Education	Inactive
		AA.ELEMENTARY	AA - ELEMENTARY EDUCATION	Inactive
		AA.EARLY.CHILDHOOD	AA - Early Childhood Education	Hiatus
	HPS Pathway	AA.HPS.PW	AA - Human & Public Services	Active
		AA.ANTH	AA - Anthropology	Hiatus
		AA.GOVST	AA - Government Studies	Hiatus
		AA.HIST.RELI	AA - Religious Studies	Inactive
		AA.HISTORY	AA - History	Hiatus
		AA.HISTORY.DIG	AA - History, Digital History	Inactive
		AA.HMSV	AA - Human Services	Hiatus
		AA.HMSV.ADDN	AA - Human Services, Addictionology	Hiatus
		AA.SOCSC	AA - Social Sciences	Inactive
	Paralegal	AAS.LEGAL	AAS - Paralegal	Active
		CERT.LEGL	CERT - Paralegal	Active
	Psychology	AS.PSYCHOLOGY	AS - Psychology	Active
		AA.PSYCHOLOGY	AA - Psychology	Inactive
		AA.PSYC.SW	AA - Psychology, Social Work Emphasis	Inactive
HSW (Health Science and Wellness)	Dental Hygiene	AAS.DENTAL	AAS - Dental Hygiene	Active
	Diagnostic Medical Sonography	AAS.SONOGRAPHY	AAS - Diagnostic Medical Sonography	Active

	Emergency Medical Services Paramedics	AAS.EMGT	AAS - Emer Med Svcs - Paramedics	Active
		CD.EMGT	CD - Emergency Medical Services, Paramedic	Active
	Exercise Science	CD.EXSCI.COACH	CD - Exercise Science - Coaching	Active
		AS.EXSCI.PETE	AS - Exercise Science, Physical Education Teacher Ed (PETE)	Active
		AS.EXSCI.SMGT	AS - Exercise Science, Sport Management	Active
		AS.EXSCI	AS - Exercise Science	Active
		CD.EXSCI.PT	CD - Exercise Science, Personal Trainer	Active
	Fire Science Technology	AAS.FIRE	AAS - Fire Science Technology	Hiatus
		AS.FIRE	AS - Fire Science Technology	Inactive
	Health Information Technology	AAS.HIT	AAS - Health Information Technology	Active
		CD.MEDICAL.OFFICE	CD - Medical Office Essentials	Active
		CRED.MEDICAL.CLAIMS	CRED - Health Information Technology, Medical Claims Coding	Active
	Healthcare Administration	BAS.HCA	BAS – Healthcare Administration	Active
	HSW Pathway	AS.HSW.PW	AS - Health Sciences & Wellness	Active
		AS.HLTH.SCI	AS - Health Sciences	Inactive
		AS.GSTUD	AS - General Studies in Science/Health Science	Inactive
	Nursing	ADN.NURSING	ADN - Nursing	Active
		CERT.NRST	CERT - Nursing	Active
		AAS.NURSING	AAS - Nursing	Inactive
	Physical Therapist Assistant	AAS.PTAT	AAS - Physical Therapist Assistant	Active
	Radiography	AAS.RADIOGRAPHY	AAS - Radiography	Active
	Speech-Language Pathologist Assistant	AAS.SLPA	AAS - Speech-Language Pathology Assistant	Active
	Surgical Technology	AAS.SURG	AAS - Surgical Technology	Active
		CD.SURG.CSP	CD - Surgical Technology, Central Sterile Processing	Hiatus
STEM (Science, Technology, Engineering, and Mathematics)	Biology	AS.BIOLOGY	AS - Biology	Active
		AS.BIOL	AS - Biology	Inactive
		AS.NS.WILD.BIOL	AS - Natural Science, Wildlife Biology	Inactive
		AS.NS.BIOL	AS - Natural Sciences, Biology	Inactive
	Biomedical Science	AS.BIOMEDICAL	AS - Biomedical Sciences	Active
		AS.NS.MOLB	AS - Natural Science, Molecular Biology	Inactive
		AS.NS.ZOO	AS - Natural Science, Zoology	Inactive
		AS.NS.HUMN.BIOL	AS - Natural Science, Human Biology	Inactive
		AS.NS.PREPROF	AS - Natural Science, Pre-Professional Conc	Inactive
		AS.NS.PHYS	AS - Natural Science, Physiology	Inactive
	Computer Science	AS.COSC	AS - Computer Science	Active
		AS.COSC.BUS	AS - Computers/Business	Inactive

	Engineering	AS.ENGINEERING	AS - Engineering Science	Active
	Physical Science	AS.PHYSICAL.SCI	AS - Physical Sciences	Active
		AS.NS.CHEM.BS	AS - Natural Science, Chemistry (BS Track)	Inactive
		AS.NS.CHEM.BA	AS - Natural Science, Chemistry (BA Track)	Inactive
		AS.NS.PHYSAST	AS - Natural Science, Physics Concentration	Inactive
	STEM Pathway	AS.STEM.PW	AS - Science, Technology, Engineering, & Math	Active
		AS.MATHEMATICS	AS - Mathematics	Hiatus
		AA.MATHEMATICS	AA - Mathematics	Inactive
TTS (Trades and Technical Studies)	Automotive Body Repair	CD.AUBR	CD - Automotive Body Repair	Active
		AAS.AUBR	AAS - Auto Body Repair	Hiatus
		CERT.AUBR	CERT - Auto Body Repair	Inactive
	Automotive Technology	CD.AUTO.EMD	CD - Automotive Technology, Engine Management/Drivability	Active
		CD.AUTO.HVAC	CD - Automotive Technology, Under Car/HVAC	Active
		AAS.AUTO	AAS - Automotive Technology	Hiatus
		CERT.AUTO	CERT - Automotive Technology	Inactive
	CIS and Cybersecurity	AAS.CIS	AAS - Computer Information Systems	Active
		CD.CISCO	CD - Network Administrator (CCNA)	Active
		CD.CIS.SYS.ADMN	CD - CIS, Systems Administrator	Active
		CD.DCTCH	CD - CIS, Datacenter Technician	Active
		AAS.CYBR	AAS - Cybersecurity	Active
		CD.CIS.MSNETWORKING	CD - CIS Microsoft Systems and Networks	Inactive
		AAS.NETWORK	AAS - NOVELL NETWORKING TECHNOLOGY	Inactive
		CD.CIS.WEB.DES	CD - CIS Web Design	Inactive
		CD.CIS.MS.APPL	CD - CIS Office Applications Specialist	Inactive
		CD.CSS	CD - CIS, Computer Support Specialist	Inactive
		CD.CIS.CYBR.PROF	CD - CIS Cybersecurity Professional	Hiatus
		CD.CIS.CYBR.FUND	CD - CIS Cybersecurity Fundamentals	Hiatus
		AS.HOMELAND	AS - Homeland Security	Inactive
		CERT.HOMELAND	CERT - Homeland Security	Inactive
		CD.A+	CD - CIS, Computer Technician (a+)	Inactive
		CD.HOMELAND	CD - Homeland Security	Inactive
		CERT.CSS	CERT - CIS, Computer Support Specialist	Inactive
	Diesel Technology	CD.DESL	CD - Diesel Technology	Active
		AAS.DIESEL	AAS - Diesel Technology	Hiatus
	Electrical Technology	CD.ELTR.TECH	CD - Electrical Technician	Active
	HVACR	AAS.HVAC	AAS - Heating, Ventilation, AC/Refrigeration	Active
		CD.HVACR	CD - Heating, Ventilation, and Air Conditioning/Refrig	Active
		CD.HVAC	CD - Heating, Ventilation and Air Condit/Refrig Tech Basic	Inactive
		CD.HVAC.ADV	CD - Heating, Ventilation and Air Conditioning/Refrig Advan	Hiatus

	Industrial Maintenance	CD.INDUS.MAINT	CD - Industrial Maintenance	Active
	Integrated Systems Technology	CD.IND.SYS.TECH	CD - Industrial Systems Technology	Active
	Plumbing Technology	CD.PLMB.TECH	CD – Plumbing Technology	Active
	TTS Pathway	AAS.TTS.PW	AAS - Trades & Technical Studies	Active
		CERT.CONSTRUCT	CERT - CONSTRUCTION TECHNOLOGY	Inactive
		AAS.CMGT	AAS - Construction Management	Inactive
		AAS.DRAFTING	AAS - Engineering Technology	Inactive
		CD.ENTK	CD - Engineering Technology	Inactive
		AAS.TECHNICAL	AAS - Technical Studies	Inactive
		AAS.BLD.TECH	AAS - Building Technologies	Hiatus
	Welding Technology	CD.WELD.PIPE	CD - Welding Technology, Advanced Pipe Welding	Active
		CD.WELD.COMB	CD - Welding Technology, Combination Welding	Active
		AAS.WELD	AAS-Welding Technology	Hiatus
	Wind Energy	AAS.WIND	AAS - Wind Energy	Active

Analysis Groups by Course Subject

STRT 1000 and COLS 1000 were excluded from the analysis.

Pathway	Analysis Group	Subject Code	Subject Description
A&E (Agriculture and Equine Science)	A&E Pathway	No codes	No codes
	Agriculture	AECL	Agroecology
		AGEC	Ag Economics
		AGRI	Agriculture
		ANSC	Animal Science
		RGMG	Range Management
	Equine Science	EQST	Equine Studies
B&A (Business and Accounting)	B&A Pathway	ACCT	Accounting
		BADM	Business Admin
		BUSN	Business
		DSCI	Decision Science
		ECON	Economics
		ENTR	Entrepreneurship
		FIN	Finance
		IMGT	Information Management
		MGT	Management
		MKT	Marketing
CCA (Communication and Creative Arts)	Art	ART	Art
	CCA Pathway	COMM (CO/M)	Communication
		ENGL	English
		HUMN	Humanities

		MMMM	MassMedia/Multimedia
		PHIL	Philosophy
		RELI	Religious Studies
		SPAN	Spanish
	Music	MUSC	Music
	Theatre	THEA	Theater and Dance
HPS (Human and Public Services)	Criminal Justice	CRMJ	Criminal Justice
	Education	EDEC	Early Childhood Education
		EDEL	Education - Elementary
		EDEX	Edn.-Excep. Children
		EDFD	Edn.-Educational Fdn
		EDST	Educational Studies
		EDUC	Education
		FCSC	Family and Consumer Sciences
		ITEC	Instructional Tech
	HPS Pathway	ADDN	Addictionology
		AMST	American Studies
		ANTH	Anthropology
		HIST	History
		HMSV	Human Services
		POLS	Political Science
		SOC	Sociology
		WMST	Women's Studies
	Paralegal	LEGL	Paralegal Studies
	Psychology	CNSL	Counseling
		PSYC	Psychology
		SOWK	Social Work
HSW (Health Science and Wellness)	Dental Hygiene	DHYG	Dental Hygiene
	Diagnostic Medical Sonography	IMAG	Imaging
	Emergency Medical Services Paramedics	EMGT	Emergency Management
		EMT	Emergency Medical Technology
	Exercise Science	HLED	Health Education
		KIN	Kinesiology
		PEAC	PE Activities
		PEPR	Professional PE
	Fire Science Technology	FIRE	Fire Technology
	Health Information Technology	HIT	Health Information Technology
		MEDC	Medical Coding
	Healthcare Administration	HCA	Healthcare Administration
	HSW Pathway	HLTK	Health Technology
		HOEC	Home Economics
	Nursing	NURS	Nursing
	Physical Therapist Assistant	PTAT	Physical Therapist Assistant

	Radiography	RDTK	Radiology Technology
	Speech-Language Pathologist Assistant	SLPA	Speech-Language Pathology Asst
	Surgical Technology	SURG	Surgical Technology
STEM (Science, Technology, Engineering, and Mathematics)	Biology	BIOL	Biology
	Biomedical Science	MICR	Microbiology
		ZOO	Zoology
	Computer Science	COSC	Computer Science
	Engineering	ES	Engineering Science
	Physical Science	ASTR	Astronomy
		CHEM	Chemistry
		GEOL	Geology
		PHYS	Physics
	STEM Pathway	GEOG	Geography
		MATH	Mathematics
		STAT	Statistics
TTS (Trades and Technical Studies)	Automotive Body Repair	AUBR	Auto Body Repair
	Automotive Technology	AUTO	Auto Technology
	CIS and Cybersecurity	CMAP	Computer Application
		CSCO	Cisco
		CSEC	Computer Security
		HSEC	Homeland Security
		INET	Internet Technology
		LINX	Linux
		MSFT	Microsoft Technology
	Diesel Technology	DESL	Diesel Technology
	Electrical Technology	ELTR	Electrical
	HVACR	HVAC	Heating, Ventilation, AC
	Industrial Maintenance	PTEC	Process Technology
	Integrated Systems Technology	IST	Integrated Systems Technology
	Plumbing Technology	FMT	Facilities Main Tech/Plumbing
	TTS Pathway	CMGT	Construction Management
		ENTK	Engineering Technology
		HMDV	Human Development
		SMAP	Sheetmetal Apprenticeship
	Welding Technology	WELD	Welding Technology
	Wind Energy	WTT	Wind Energy-Wind Turbine Tech

Analysis Groups by Cost Center/Budget Area

The budgeting totals include actual expenditures from the 2019-20 fiscal year from the instructional budgets for the cost centers listed below. Consumable lines were excluded since they are based on student fees. The cost center 110416 Engineering/Physics is split based on location. At Albany County

Campus, this cost center is grouped under Engineering, and all other locations are grouped under Physical Science.

Pathway	Analysis Group	2019-20 Cost Center	Cost Center Description
A&E (Agriculture and Equine Science)	A&E Pathway	No cost center	No cost center
	Agriculture	120575	Agriculture
	Equine Science	120576	Equine Studies
B&A (Business and Accounting)	B&A Pathway	110503	Economics
		110508	Business Transfer
		120583	Business CTE
CCA (Communication and Creative Arts)	Art	110104	Art
	CCA Pathway	110102	English
		110103	Comm./Speech
		110105	Languages
		110106	Humanities
		110107	Philosophy
		110111	Mass Med./Multimed.
	Music	110115	Music
	Theatre	110108	Theater
HPS (Human and Public Services)	Criminal Justice	110408	Crim. Justice
	Education	110409	Education
	HPS Pathway	110404	Pol. Sci.
		110405	Soc./Anthro.
		110406	History
		110420	Human Services
	Paralegal	120404	Paralegal
	Psychology	110402	Psych.
HSW (Health Science and Wellness)	Dental Hygiene	120305	Dental Hygiene
	Diagnostic Medical Sonography	120311	Sonography
	Emergency Medical Services Paramedics	120312	Paramedic
		120317	EMT
	Exercise Science	110311	P.E.
	Health Information Technology	120356	Health Information Tech
	Healthcare Administration	120362	BAS-Healthcare Admin.
	HSW Pathway	120301	Health Sci. & Wellness
		120310	Health Info.
		120350	Other HSW-Voc.
	Nursing	120302	Nursing
	Physical Therapist Assistant	120319	Phys. Therapy Ass.
	Radiography	120304	Radiography
	Speech-Language Pathologist Assistant	120360	Speech Lang. Pathology
	Surgical Technology	120313	Surgical Tech
STEM (Science, Technology,	Biology	110414	Biology
	Biomedical Science	110417	Microbio.

		110418	Zoology
Engineering, and Mathematics)	Computer Science	110423	Comp. Sci.
	Engineering	420-110416	Eng./Physics
	Physical Science	110410	Geology
		110415	Chemistry
		110419	Astronomy
		410-110416	Eng./Physics
	STEM Pathway	110407	Geography
		110411	Math
		110422	Statistics
TTS (Trades and Technical Studies)	Automotive Body Repair	120507	Auto Body
	Automotive Technology	120508	Auto Tech
	CIS and Cybersecurity	120503	Comp. Info. Sys.
	Diesel Technology	120509	Diesel Tech
	Electrical Technology	120586	Electrical
	HVACR	120581	HVAC Tech
	Industrial Maintenance	120585	Industrial Maint.
	Integrated Systems Technology	120579	IST Program
	Plumbing Technology	120587	Plumbing
	TTS Pathway	No cost center	No cost center
	Welding Technology	120510	Welding
	Wind Energy	120580	Wind Energy Tech

Analysis Groups by Standard Occupational Classification (SOC) Code

The NCES CIP-SOC Crosswalk was used to determine regional occupational information for each analysis group (https://nces.ed.gov/ipeds/cipcode/resources.aspx?y=55). It references the 2020 CIP codes and the 2018 SOC codes. An unduplicated list of SOC codes was created for each program analysis group using the crosswalk, comparing the CIP codes associated with each program of study to the SOC codes listed in the crosswalk. The resulting SOC list for each analysis group was used to determine measures A5. 3-Year Projected Growth Rate in Occupations, A6. Job Listings, and A7. Wages for Occupations. Please note that these measures are designed to obtain general industry information and may not reflect the wage that a graduate can expect immediately after completion of an LCCC program of study.

In the case of multiple SOC codes per analysis group, the SOC results were treated as follows:

- A5: growth rates were averaged
- A6: job listings were summed
- A7: median incomes were averaged

Pathway	Program Analysis Group 19-20	SOC 2018	SOC Description
A&E (Agriculture and Equine Science)	A&E Pathway	11-9013	Farmers, Ranchers, and Other Agricultural Managers
		25-1041	Agricultural Sciences Teachers, Postsecondary
		45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers
	Agriculture	11-9013	Farmers, Ranchers, and Other Agricultural Managers
		15-1232	Computer User Support Specialists

		19-1011	Animal Scientists
		19-1012	Food Scientists and Technologists
		19-1013	Soil and Plant Scientists
		19-1031	Conservation Scientists
		19-4012	Agricultural Technicians
		25-1041	Agricultural Sciences Teachers, Postsecondary
		25-1043	Forestry and Conservation Science Teachers, Postsecondary
		25-9021	Farm and Home Management Educators
		43-1011	First-Line Supervisors of Office and Administrative Support Workers
		45-1011	First-Line Supervisors of Farming, Fishing, and Forestry Workers
	Equine Science	25-1041	Agricultural Sciences Teachers, Postsecondary
		39-2011	Animal Trainers
B&A (Business and Accounting)	B&A Pathway	11-1011	Chief Executives
		11-1021	General and Operations Managers
		11-2022	Sales Managers
		11-3012	Administrative Services Managers
		11-3013	Facilities Managers
		11-3021	Computer and Information Systems Managers
		11-3051	Industrial Production Managers
		11-3071	Transportation, Storage, and Distribution Managers
		11-3111	Compensation and Benefits Managers
		11-3121	Human Resources Managers
		11-3131	Training and Development Managers
		11-9021	Construction Managers
		11-9072	Entertainment and Recreation Managers, Except Gambling
		11-9151	Social and Community Service Managers
		11-9179	Personal Service Managers, All Other
		11-9199	Managers, All Other
		13-1051	Cost Estimators
		13-1071	Human Resources Specialists
		13-1081	Logisticians
		13-1082	Project Management Specialists
		13-1111	Management Analysts
		13-1141	Compensation, Benefits, and Job Analysis Specialists
		13-1199	Business Operations Specialists, All Other
		13-2011	Accountants and Auditors
		13-2022	Appraisers of Personal and Business Property
		13-2031	Budget Analysts
		13-2041	Credit Analysts
		13-2054	Financial Risk Specialists
		13-2061	Financial Examiners
		13-2071	Credit Counselors
		13-2081	Tax Examiners and Collectors, and Revenue Agents
		13-2082	Tax Preparers
		15-2031	Operations Research Analysts
		15-2051	Data Scientists
		25-1011	Business Teachers, Postsecondary
		43-3011	Bill and Account Collectors
		43-3071	Tellers
		43-4041	Credit Authorizers, Checkers, and Clerks
		43-4131	Loan Interviewers and Clerks
		43-4141	New Accounts Clerks
		49-1011	First-Line Supervisors of Mechanics, Installers, and Repairers
		51-1011	First-Line Supervisors of Production and Operating Workers
	Art	25-1121	Art, Drama, and Music Teachers, Postsecondary

CCA (Communication and Creative Arts)		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
		27-1012	Craft Artists
		27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators
		27-4021	Photographers
	CCA Pathway	11-2032	Public Relations Managers
		11-9199	Managers, All Other
		15-1255	Web and Digital Interface Designers
		25-1081	Education Teachers, Postsecondary
		25-1122	Communications Teachers, Postsecondary
		25-1123	English Language and Literature Teachers, Postsecondary
		25-1124	Foreign Language and Literature Teachers, Postsecondary
		25-1199	Postsecondary Teachers, All Other
		25-2022	Middle School Teachers, Except Special and Career/Technical Education
		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
		27-3023	News Analysts, Reporters, and Journalists
		27-3041	Editors
		27-3043	Writers and Authors
		27-3091	Interpreters and Translators
		27-3099	Media and Communication Workers, All Other
		43-9081	Proofreaders and Copy Markers
	Music	25-1081	Education Teachers, Postsecondary
		25-1121	Art, Drama, and Music Teachers, Postsecondary
		25-2022	Middle School Teachers, Except Special and Career/Technical Education
		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
		27-2041	Music Directors and Composers
		27-2042	Musicians and Singers
	Theatre	25-1121	Art, Drama, and Music Teachers, Postsecondary
		27-2011	Actors
		27-2012	Producers and Directors
		27-2099	Entertainers and Performers, Sports and Related Workers, All Other
HPS (Human and Public Services)	Criminal Justice	11-9199	Managers, All Other
		19-4099	Life, Physical, and Social Science Technicians, All Other
		25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary
		33-1011	First-Line Supervisors of Correctional Officers
		33-1012	First-Line Supervisors of Police and Detectives
		33-3012	Correctional Officers and Jailers
	Education	25-1081	Education Teachers, Postsecondary
		25-2011	Preschool Teachers, Except Special Education
		25-2012	Kindergarten Teachers, Except Special Education
		25-2021	Elementary School Teachers, Except Special Education
		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
		25-9042	Teaching Assistants, Preschool, Elementary, Middle, and Secondary School, Except Special Education
		25-9043	Teaching Assistants, Special Education
	HPS Pathway	11-9151	Social and Community Service Managers
		11-9199	Managers, All Other
		19-3091	Anthropologists and Archeologists
		19-3093	Historians
		19-3094	Political Scientists
		19-3099	Social Scientists and Related Workers, All Other

		19-4061	Social Science Research Assistants
		21-1011	Substance Abuse and Behavioral Disorder Counselors
		21-1014	Mental Health Counselors
		21-1093	Social and Human Service Assistants
		21-1099	Community and Social Service Specialists, All Other
		25-1061	Anthropology and Archeology Teachers, Postsecondary
		25-1065	Political Science Teachers, Postsecondary
		25-1069	Social Sciences Teachers, Postsecondary, All Other
		25-1071	Health Specialties Teachers, Postsecondary
		25-1125	History Teachers, Postsecondary
		25-1126	Philosophy and Religion Teachers, Postsecondary
		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
		39-7011	Tour Guides and Escorts
	Paralegal	23-2011	Paralegals and Legal Assistants
		23-2093	Title Examiners, Abstractors, and Searchers
		23-2099	Legal Support Workers, All Other
	Psychology	11-9151	Social and Community Service Managers
		11-9199	Managers, All Other
		19-3032	Industrial-Organizational Psychologists
		19-3033	Clinical and Counseling Psychologists
		19-3039	Psychologists, All Other
		19-4061	Social Science Research Assistants
		21-1021	Child, Family, and School Social Workers
		21-1022	Healthcare Social Workers
		21-1023	Mental Health and Substance Abuse Social Workers
		21-1029	Social Workers, All Other
		25-1066	Psychology Teachers, Postsecondary
		25-1113	Social Work Teachers, Postsecondary
HSW (Health Science and Wellness)	Dental Hygiene	25-1071	Health Specialties Teachers, Postsecondary
		29-1292	Dental Hygienists
	Diagnostic Medical Sonography	25-1071	Health Specialties Teachers, Postsecondary
		29-2032	Diagnostic Medical Sonographers
	Emergency Medical Services Paramedics	25-1071	Health Specialties Teachers, Postsecondary
		29-2042	Emergency Medical Technicians
		29-2043	Paramedics
	Exercise Science	11-9072	Entertainment and Recreation Managers, Except Gambling
		25-1081	Education Teachers, Postsecondary
		25-1193	Recreation and Fitness Studies Teachers, Postsecondary
		25-2022	Middle School Teachers, Except Special and Career/Technical Education
		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
		27-2021	Athletes and Sports Competitors
		27-2022	Coaches and Scouts
		29-1128	Exercise Physiologists
		29-9091	Athletic Trainers
		39-9031	Exercise Trainers and Group Fitness Instructors
	Fire Science Technology	33-1021	First-Line Supervisors of Firefighting and Prevention Workers
		33-2011	Firefighters
		33-2021	Fire Inspectors and Investigators
		33-2022	Forest Fire Inspectors and Prevention Specialists
	Health Information Technology	29-2072	Medical Records Specialists
		29-9021	Health Information Technologists and Medical Registrars
		43-6013	Medical Secretaries and Administrative Assistants

	Healthcare Administration	11-9111	Medical and Health Services Managers
	HSW Pathway	11-9121	Natural Sciences Managers
		21-1091	Health Education Specialists
		21-1094	Community Health Workers
		25-1199	Postsecondary Teachers, All Other
		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
	Nursing	25-1072	Nursing Instructors and Teachers, Postsecondary
		29-1141	Registered Nurses
		29-2061	Licensed Practical and Licensed Vocational Nurses
	Physical Therapist Assistant	31-2021	Physical Therapist Assistants
	Radiography	25-1071	Health Specialties Teachers, Postsecondary
		29-2034	Radiologic Technologists and Technicians
	Speech-Language Pathologist Assistant	31-9099	Healthcare Support Workers, All Other
	Surgical Technology	25-1071	Health Specialties Teachers, Postsecondary
		29-2055	Surgical Technologists
		29-9093	Surgical Assistants
		31-9093	Medical Equipment Preparers
STEM (Science, Technology, Engineering, and Mathematics)	Biology	11-9121	Natural Sciences Managers
		19-1023	Zoologists and Wildlife Biologists
		19-1029	Biological Scientists, All Other
		19-1099	Life Scientists, All Other
		19-4012	Agricultural Technicians
		19-4013	Food Science Technicians
		19-4021	Biological Technicians
		19-4092	Forensic Science Technicians
		25-1042	Biological Science Teachers, Postsecondary
		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
	Biomedical Science	11-9121	Natural Sciences Managers
		19-1023	Zoologists and Wildlife Biologists
		19-1029	Biological Scientists, All Other
		19-1042	Medical Scientists, Except Epidemiologists
		19-1099	Life Scientists, All Other
		19-2099	Physical Scientists, All Other
		19-4021	Biological Technicians
		25-1042	Biological Science Teachers, Postsecondary
		25-1199	Postsecondary Teachers, All Other
	Computer Science	11-3021	Computer and Information Systems Managers
		15-1211	Computer Systems Analysts
		15-1212	Information Security Analysts
		15-1221	Computer and Information Research Scientists
		15-1231	Computer Network Support Specialists
		15-1241	Computer Network Architects
		15-1242	Database Administrators
		15-1243	Database Architects
		15-1244	Network and Computer Systems Administrators
		15-1251	Computer Programmers
		15-1252	Software Developers
		15-1253	Software Quality Assurance Analysts and Testers
		15-1254	Web Developers
		15-1255	Web and Digital Interface Designers

		15-1299	Computer Occupations, All Other
		15-2051	Data Scientists
		25-1021	Computer Science Teachers, Postsecondary
	Engineering	11-9041	Architectural and Engineering Managers
		17-2199	Engineers, All Other
		25-1032	Engineering Teachers, Postsecondary
	Physical Science	11-9121	Natural Sciences Managers
		19-1099	Life Scientists, All Other
		19-2012	Physicists
		19-2099	Physical Scientists, All Other
		25-1054	Physics Teachers, Postsecondary
		25-1199	Postsecondary Teachers, All Other
		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
	STEM Pathway	11-9121	Natural Sciences Managers
		15-2021	Mathematicians
		15-2041	Statisticians
		15-2051	Data Scientists
		15-2099	Mathematical Science Occupations, All Other
		25-1022	Mathematical Science Teachers, Postsecondary
		25-1199	Postsecondary Teachers, All Other
		25-2031	Secondary School Teachers, Except Special and Career/Technical Education
TTS (Trades and Technical Studies)	Automotive Body Repair	13-1032	Insurance Appraisers, Auto Damage
		49-3021	Automotive Body and Related Repairers
		49-3022	Automotive Glass Installers and Repairers
		51-9124	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders
	Automotive Technology	49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment
		49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles
		49-3023	Automotive Service Technicians and Mechanics
	CIS and Cybersecurity	11-3021	Computer and Information Systems Managers
		11-9161	Emergency Management Directors
		11-9199	Managers, All Other
		15-1211	Computer Systems Analysts
		15-1212	Information Security Analysts
		15-1231	Computer Network Support Specialists
		15-1241	Computer Network Architects
		15-1242	Database Administrators
		15-1243	Database Architects
		15-1244	Network and Computer Systems Administrators
		15-1251	Computer Programmers
		15-1252	Software Developers
		15-1253	Software Quality Assurance Analysts and Testers
		15-1254	Web Developers
		15-1255	Web and Digital Interface Designers
		25-1021	Computer Science Teachers, Postsecondary
		25-1194	Career/Technical Education Teachers, Postsecondary
		27-1014	Special Effects Artists and Animators
		27-1024	Graphic Designers
		33-1012	First-Line Supervisors of Police and Detectives
		43-4051	Customer Service Representatives
		43-4151	Order Clerks
		49-2011	Computer, Automated Teller, and Office Machine Repairers

		49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment
	Diesel Technology	49-3031	Bus and Truck Mechanics and Diesel Engine Specialists
	Electrical Technology	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers
		47-2111	Electricians
		49-2098	Security and Fire Alarm Systems Installers
		49-9097	Signal and Track Switch Repairers
	HVACR	49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers
	Industrial Maintenance	47-4021	Elevator and Escalator Installers and Repairers
		49-9012	Control and Valve Installers and Repairers, Except Mechanical Door
		49-9041	Industrial Machinery Mechanics
		49-9043	Maintenance Workers, Machinery
		49-9044	Millwrights
		49-9045	Refractory Materials Repairers, Except Brickmasons
		49-9081	Wind Turbine Service Technicians
	Integrated Systems Technology	47-4021	Elevator and Escalator Installers and Repairers
		49-9012	Control and Valve Installers and Repairers, Except Mechanical Door
		49-9041	Industrial Machinery Mechanics
		49-9043	Maintenance Workers, Machinery
		49-9044	Millwrights
		49-9045	Refractory Materials Repairers, Except Brickmasons
		49-9081	Wind Turbine Service Technicians
	Plumbing Technology	47-1011	First-Line Supervisors of Construction Trades and Extraction Workers
		47-2152	Plumbers, Pipefitters, and Steamfitters
		47-4071	Septic Tank Servicers and Sewer Pipe Cleaners
	TTS Pathway	11-9021	Construction Managers
		11-9179	Personal Service Managers, All Other
		11-9199	Managers, All Other
		17-3011	Architectural and Civil Drafters
		17-3012	Electrical and Electronics Drafters
		17-3013	Mechanical Drafters
		17-3019	Drafters, All Other
		47-1011	First-Line Supervisors of Construction Trades and Extraction Workers
		47-4021	Elevator and Escalator Installers and Repairers
		49-9012	Control and Valve Installers and Repairers, Except Mechanical Door
		49-9041	Industrial Machinery Mechanics
		49-9043	Maintenance Workers, Machinery
		49-9044	Millwrights
		49-9045	Refractory Materials Repairers, Except Brickmasons
		49-9081	Wind Turbine Service Technicians
	Welding Technology	51-4121	Welders, Cutters, Solderers, and Brazers
		51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
	Wind Energy	17-3029	Engineering Technologists and Technicians, Except Drafters, All Other
		27-1021	Commercial and Industrial Designers

Analysis Groups by LCCC Foundation Funding Source

Program-specific funding was distributed by analysis group and pathway to determine the community investment totals for each analysis group. The donations for fiscal years 2018-2020 were summed to get a two-year total, since funding can fluctuate significantly from year to year.

Pathway	Analysis Group	Fund Attribute Category	Fund ID	Fund Description
	A&E Pathway	Agriculture & Equine	4012	Wolfe Family Scholarship

A&E (Agriculture and Equine Science)			4046	Ken and Norma Jean Fogg Scholarship
			4047	Pam and Mike DeMartin Family Scholarship
			4070	Robert G. Boyd Excellence in Agriculture Scholarship
			4110	Wyoming Paint Horse Club Scholarship
			4199	Paul Bruegman Memorial Scholarship
			4276	Cowgirls of the West Scholarship
			4280	Sandra Shmidl Memorial Scholarship
			4287	Ed Rabou Excellence in Agriculture Scholarship
			4300	R.C. "Doc" Bishop Equine Scholarship
			4312	Ranch Horse Team Scholarship
			4317	Dean and Emily Prieskorn Scholarship
			4338	George McIlvaine Memorial Scholarship
			4925	Mark Carson Family Endowment
			4989	Tuck Farthing Scholarship
			5016	King Ranch Agriculture and Equine Program Fund
			6150	National Western Stock Show Scholarship Trust
			6170	Equine Show Team Scholarship
			6171	Agriculture Scholarship
			6425	Cheyenne Frontier Days Memorial Scholarship Foundation
			7005	Equine Studies/Equestrian Team
			7022	Ranch Horse Show Fund
			7029	Agriculture & Equine Fund
	Agriculture		None	None
	Equine Science		None	None
B&A (Business and Accounting)	B&A Pathway	Accounting	4057	Jeri and Dave Griego Scholarship for Accounting and Business Excellence
			4226	Kathryn Smith Business Scholarship
			4303	Jon E VonKennel - Shirley Garrett-Robinson Memorial Scholarships PEO Chapter Z
		Business	4069	Mohamed & Fatma Business and Career Scholarship
			4073	Vern and Elsie Helmer Memorial Scholarship
			4169	NAIFA Wyoming Southeast Scholarship
			4179	Edith and Ed Mosher Business Administration Honors Scholarship
			4226	Kathryn Smith Business Scholarship
			4321	Bill and Cindy Pomeroy Scholarship
			4338	George McIlvaine Memorial Scholarship
			4364	Peter S Cook Memorial Scholarship
			4440	Bill Smith Scholarship
			4522	W Alan Hughes Scholarship

			6039	Jon E VonKennel Memorial Scholarship PEO Chapter Z Annual
CCA (Communication and Creative Arts)	Art	Art	4239	Herbert Dwight Parker/ Hazel Parker Miller by Vicki Parker Meuli Scholarship
		Art	6038	Daniel Michael Jones Memorial Fd Scholarship
		Art	7075	LCCC Art Department Fund
	CCA Pathway	Arts & Humanities	4048	Denise and Randy Fetzer Scholarship
			4157	Diane Kaysen's "Incite the Muse" Scholarship
			4281	Nick Panopoulos Communication/Theatre Scholarship
			5019	Kate's Fund Endowment
			7047	LCCC Theater Deptartment Fund
		English	4005	Bill McCoy Memorial Scholarship
			4269	Genevieve Ravenscraft Memorial Scholarship
		Journalism	4013	Robert and Rosalind Schliske Scholarship
			4465	Wingspan "Cub Reporter" Scholarship
			4502	Wyoming Media Professionals Award for Leadership Scholarship
	Music	Music	4346	LCCC Music Scholarship
			7050	LCCC Music Program Fund
	Theatre	Performing Arts	4426	John and Brenda Lyttle Theater Scholarship
HPS (Human and Public Services)	Criminal Justice	Criminal Justice/Law Enforcement	4003	PPA/Don Edwards Memorial Scholarship
			4011	George Woolsey Memorial Scholarship
			4113	Buzz Davis/Laramie County Silent Witness Crimestoppers Scholarship
			4234	Bill Long Criminal Justice Scholarship
	Education	Education	4059	Robert G. and Rogene Boyd Education Scholarship
			4083	Jan and W.M. Stalcup, Jr. Dedication to Education Fund
			4089	Alpha Delta Kappa Honorary Scholarship
			4173	Beverly Elrod Cherishes Children Scholarship
			4265	Neil and Kay Emmons Family Scholarship
			4318	Jose and Melanie Fierro Scholarship
			4331	Marcy Helser Education Scholarship
			4352	Jack F Mueller Scholarship
			4550	Dorris L. Sander Memorial Scholarship
	HPS Pathway	Govt. Studies	4186	Dr. Dean and Karen Schroeder Scholarship
		History	4625	Mary Jane Carpenter History Scholarship
		Service Learning	4436	Dave Griego's International Experience Fund
			5023	Union Pacific Service Learning Endowment
		Social Science	4166	Jim, Connie, Jimmy Johns Scholarship

			4253	Fontaine Yeoman Memorial Scholarship
		Sociology	4220	Summer Dawn Kuhlman Memorial Scholarship
	Paralegal		None	None
	Psychology	Psychology	4220	Summer Dawn Kuhlman Memorial Scholarship
HSW (Health Science and Wellness)	Dental Hygiene	Dental Hygiene	4027	Bill and Kathryn Ennis Motivational Scholarship
			4255	Colonel Bob and Val Rodekohr Scholarship
			5225	Dental Hygiene Endowment
			7121	Dental Hygiene Student Association Fund
	Diagnostic Medical Sonography	Sonography	4223	Merrell Family Radiography/Sonography Scholarship
	Emergency Medical Services Paramedics		None	None
	Exercise Science	Physical Education	4291	Henning Family Scholarship
	Fire Science Technology	Fire Science	4359	H. Rob Cleveland Memorial Scholarship
	Health Information Technology		None	None
	Healthcare Administration		None	None
	HSW Pathway	Allied Health	4105	Carol and Earl Kabeiseman Scholarship
			4112	Andrea C. Easton Memorial Dental Hygienist Scholarship
			4156	Doug Beach Memorial Scholarship
			4188	Zabka Family Nursing Scholarship
			4203	Mary McIlvaine Nursing Scholarship
			4206	R.C. and Marcia Mead Family Endowed Scholarship
			4215	Kevin and Esther Byrne Endowment
			4246	Dan C Hinkle M.D. Memorial Scholarship
			4344	Cheyenne Physician's Scholarship
			4750	Barber, Dixon, and Whittenberger Radiography Scholarship
			4875	Willard H. Pennoyer, M.D. Medical Scholarship
			4965	Allied Health Field Scholarship
			4986	Grant T. Palmquist Memorial Scholarship
			5017	Allied Health Program Fund
			6022	Wyoming Dental Association Scholarship
			6475	Women of the Moose Nursing Scholarship- Annual
			6675	CRMC Volunteer's Annual Scholarship
			7009	LCCC Radiography Student Club Fund

			7035	LCCC Nursing Department Fund
	Nursing	Nursing	4187	Mary Lu Langaas Memorial Scholarship
			4217	Dr. Larry and Vicki Parker Meuli Scholarship
			4242	Rose "Arlena" Montgomery Nursing Scholarship
			4297	Char Langaas Scholarship
			4348	Burns Masonic/R White Nursing Scholarship
			4354	Sally Prigge Memorial Scholarship
			4493	Joe Anne Sanford Memorial Scholarship
			4979	Megan McIntosh/Brent Twitchell Memorial Nursing Fund
			4981	Kaysen's Chemo Team Scholarship
			5006	Richard and Dorothy Tucker Health Field Fund
			6098	Kevin and Esther Byrne Scholarship - Annual
			6177	Winter Nursing Scholarship
	Physical Therapist Assistant		None	None
	Radiography	Radiography	4223	Merrell Family Radiography/Sonography Scholarship
			4304	Mary Lou Burr Scholarship
	Speech-Language Pathologist Assistant		None	None
	Surgical Technology		None	None
STEM	Biology		None	None
	Biomedical Science		None	None
	Computer Science		None	None
	Engineering	Engineering	4047	Pam and Mike DeMartin Family Scholarship
			4117	WYSPE-Cheyenne Chapter Scholarship
			4438	Ludvik "Vik" Pfeifer Memorial Scholarship
	Physical Science	Physics	4494	Richard A. Sanford Memorial Scholarship
		Physics/STEM	4353	Harry C Vaughan Scholarship
	STEM Pathway	Biology/Chemistry	5028	Science Research Endowment
		Math	4240	William E. Prigge Math Scholarship
			4282	Linda Panopoulos Math Scholarship
			4438	Ludvik "Vik" Pfeifer Memorial Scholarship
		Science	4114	Anne Wolff Memorial Scholarship
TTS	Automotive Body Repair	Automotive	4099	NAPA Auto Parts of Cheyenne Auto Body Scholarship

	Automotive Technology	Automotive	4098	NAPA Auto Parts of Cheyenne Auto Technology Scholarship
	CIS and Cybersecurity	CIS	4440	Bill Smith Scholarship
		Data Center	6152	Microsoft Annual Scholarship
	Diesel Technology	Automotive	4097	NAPA Auto Parts of Cheyenne Diesel Scholarship
			4174	Earl Edington Diesel Mechanic Scholarship
		Diesel	4362	Robert Deselms Scholarship
			6142	Wyoming Machinery Company/Caterpillar Dealer Ex Fund Sch
	Electrical Technology		None	None
	HVACR		None	None
	Industrial Maintenance		None	None
	Integrated Systems Technology		None	None
	Plumbing Technology		None	None
	TTS Pathway	Automotive	6176	Halladay Subaru Scholarship
			7925	Skills USA Fund
		Technical/Vocational	4268	Simpson Electric Co. Scholarship
			4320	Hazel K Johnson Vocational Scholarship
			4357	Simon Contractors Scholarship
			4472	Ursula Harrison & Family Endowed Scholarship
			4987	David Ziegler Memorial Scholarship
			6156	Mickey and Martha Powers Annual Scholarship
			7094	Microsoft Equipment Fund
		Trades	5031	Trades & Technical Studies Pathway
	Welding Technology		None	None
	Wind Energy	Wind Energy	4154	Jackson Family Scholarship
			4273	Duke Energy Endowed Scholarship
			4482	Edison Mission Energy Scholarship
			4520	The Wind Energy Technology Scholarship
			4991	Wind Technician Scholarship

Data Resources

Colleague

Colleague student records were referenced for many metrics in this study. Colleague information is obtained through the use of the CROA reporting tool (Colleague Reporting and Operating Analytics), a version of SAP Business Objects.
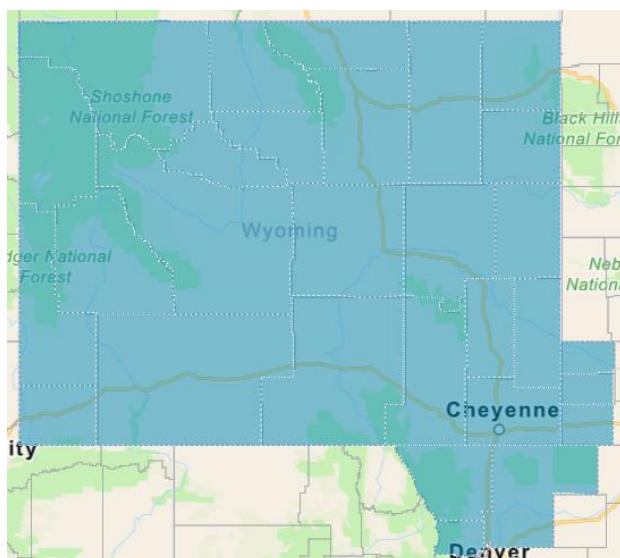
CSI

CSI is a version of CROA that is used to pull data from DMARS, which is a database that contains Colleague-based data from all the community colleges in Wyoming.

Jobs EQ

Jobs EQ is a proprietary market research tool that is provided to LCCC from the Wyoming Department of Education as part of the Perkins grant system. This tool was used to obtain regional information about occupations related to LCCC programs of study. The region used in this study was defined as the whole state of Wyoming; Scotts Bluff, Banner, and Kimball counties in Nebraska; and Larimer, Weld, and Boulder counties in Colorado.

Information from this tool can be requested from the IR office by completing a project request form. General information about Jobs EQ can be found at:

http://www.chmuraecon.com/jobseq/

LCCC Budget Office

The budget office at LCCC provided the instructional expenditures and the annual enrollment threshold for this study.

LCCC Foundation

The foundation office at LCCC provided the amount of money donated to the college's programs during the fiscal year.

National Student Clearinghouse

The National Student Clearinghouse (NSC) is a national database that is used to obtain information about postsecondary student transfer activity. These data are integrated into CSI, the state-level CROA tool. CSI was used to obtain NSC data used in this study.

NCES CIP-SOC Crosswalk

The National Center for Education Statistics (NCES) gathers, manages, and reports on a wide variety of education-related data in the United States, including the Integrated Postsecondary Education Data

System (IPEDS). NCES provides reference materials including the CIP-SOC Crosswalk used in this study. The crosswalk and other tools are available at:

https://nces.ed.gov/ipeds/cipcode/resources.aspx?y=55

Previous CORE study
This study was based on the CORE study completed by the IR office in fall 2016 and historical program annual analysis reports. This current study was revised based on contemporary institutional practice and need and edited for accuracy and validity if necessary. A copy of the original CORE study is available upon request, and historical program annual analysis reports are available on the IR virtual office.

R&P Employment Outcomes Dashboard
Wyoming Research and Planning has developed a Tableau dashboard that provides Wyoming job placement and wage information for graduates from Wyoming community colleges and the University of Wyoming. This dashboard was used to obtain LCCC CTE graduate information for this study. The dashboard is publicly available at:

https://public.tableau.com/profile/tony.glover#!/vizhome/WyomingPostSecondaryCollegesUniversityE mplymentOutcomes20191116/OutcomesDataFigure

Requested Analysis Group Summaries
A summary of the results for groups in the upper left, lower left, and lower right quadrants was requested. The groups below were taken from the "lines at axis averages" scatterplot, in which the quadrant lines were placed at the averages for each group (values group = y-axis at 58.99%, efficacy group = x-axis at 57.46%).

Upper Left
The analysis groups in this quadrant have higher value scores and lower efficacy scores. The information below describes what metrics were most influential in the lower efficacy scores (scores of 1) and each group's strongest metrics overall (scores of 5).

Biology
Biology earned 50 percent of its possible efficacy points and 62.2 percent of its possible value points. Its lowest efficacy metrics included the number of degrees and certificates awarded in the 2019-20 year and three-year graduation rates. Since the three-year graduation rates was weighted higher than other metrics, this score had twice the impact on the biology outcome.

Biology's strongest overall metrics were its annual FTE, annual number of participants, and the percent of course sections that had an enrollment of eleven students or greater (threshold rate).

Biomedical Science (BIOM)
Biomedical sciences earned 45.0 percent of its possible efficacy points and 60.0 percent of its possible value points. Its lowest efficacy metrics included course success rates, three-year graduation rates, and the number of degrees and certificates awarded in the 2019-20 year. Since the three-year graduation rates was weighted higher than other metrics, this score had twice the impact on the biomedical science outcome.

Biomedical science's strongest overall metrics were its annual FTE and the annual number of participants.

Computer Science (COMP)

Computer science earned 40.0 percent of its possible efficacy points and 71.1 percent of its possible value points. Its lowest efficacy metric was the percent of students who transferred to a four-year institution in three years (regardless of LCCC graduation status).

Computer science's strongest overall metrics were the number of regional job postings in the past twelve months and the regional average wages.

Diagnostic Medical Sonography (DMS)

Diagnostic medical sonography earned 52.5 percent of its possible efficacy points and 64.4 percent of its possible value points. Its lowest efficacy metrics were the number of graduates placing in jobs in Wyoming, the percent of graduates placing in jobs in Wyoming, the instructional cost per student FTE, and the percent of course sections that had an enrollment of eleven students or greater (threshold rate).

Diagnostic medical sonography's strongest overall metrics were the regional projected three-year job growth, regional average wages, program uniqueness among Wyoming community colleges, course success rates, and three-year graduation rates. Since the regional projected three-year job growth and three-year graduation rates were both weighted higher than other metrics, these scores had twice the impact on the diagnostic medical sonography outcome.

Physical Science

Physical science earned 52.5 percent of its possible efficacy points and 68.9 percent of its possible value points. Its lowest efficacy metric was the number of degrees and certificates awarded in the 2019-20 year.

Physical science's strongest overall metrics were the annual number of participants, the regional average wages, and the percent of students who transferred to a four-year institution in three years (regardless of LCCC graduation status).

STEM Pathway (STEM)

STEM pathway earned 47.5 percent of its possible efficacy points and 80.0 percent of its possible value points. Its lowest efficacy metrics were course success rates, three-year graduation rates, and the number of students who transferred to a four-year institution within three years (regardless of LCCC graduation status). Since the three-year graduation rates was weighted higher than other metrics, this score had twice the impact on the STEM pathway outcome.

STEM Pathway's strongest overall metrics were the annual FTE, the annual number of participants, the regional average wages, the financial amount of community investment, and the percent of students who transferred to a four-year institution within three years (regardless of LCCC graduation status).

TTS Pathway (TTS)

TTS pathway earned 51.4 percent of its possible efficacy points and 62.2 percent of its possible value points. Its lowest efficacy metric was the number of degrees and certificates awarded in the 2019-20 year.

TTS pathway's strongest overall metric was the financial amount of community investment.

Lower Left

The analysis groups in this quadrant have lower scores on both axes. The information below describes what metrics were most influential in the lower scores (scores of 1) and each group's strongest metrics overall (scores of 5).

Art

Art earned 50 percent of its possible efficacy points and 53.3 percent of its possible value points. Its lowest metrics were:

- Regional projected three-year job growth
- Regional average wages
- Program uniqueness among Wyoming community colleges
- Percent of students who transferred to a four-year institution within three years (regardless of LCCC graduation status)

Since the regional projected three-year job growth was weighted higher than other metrics, this score had twice the impact on the art outcome.

Art's strongest overall metric was the financial amount of community investment.

Criminal Justice

Criminal justice earned 52.5 percent of its possible efficacy points and 57.8 percent of its possible value points. Its lowest metrics were:

- Regional projected three-year job growth
- Three-year graduation rates

Since the regional projected three-year job growth and three-year graduation rates were both weighted higher than other metrics, these scores had twice the impact on the criminal justice outcome.

Criminal justice's strongest overall metrics were the number of students declaring criminal justice as a program of study and instructional cost per student FTE.

Electrical Technology (ELEC)

Electrical technology earned 40.0 percent of its possible efficacy points and 37.8 percent of its possible value points. Its lowest metrics were:

- Annual FTE
- Annual number of participants
- Number of students declaring electrical technology as a program of study
- Financial amount of community investment
- Course success rates
- Number of degrees and certificates awarded in the 2019-20 year
- Percent of course sections that had an enrollment of eleven students or greater (threshold rate)

Electrical technology's strongest overall metric was instructional cost per student FTE.

Engineering (ENG)

Engineering earned 35.0 percent of its possible efficacy points and 55.6 percent of its possible value points. Its lowest metrics were:

- Annual FTE
- Program uniqueness among Wyoming community colleges
- Course success rates
- Three-year graduation rates
- Instructional cost per student FTE

Since the three-year graduation rates was weighted higher than other metrics, this score had twice the impact on the engineering outcome.

Engineering's strongest overall metric was the regional average wages.

Equine Science (EQST)

Equine science earned 50.0 percent of its possible efficacy points and 42.2 percent of its possible value points. Its lowest metrics were:

- Number of regional job postings in the past twelve months
- Program uniqueness among Wyoming community colleges
- Financial amount of community investment
- Number of students who transferred to a four-year institution within three years (regardless of LCCC graduation status)
- Number of graduates placing in jobs in Wyoming
- Percent of graduates placing in jobs in Wyoming
- Median earnings of graduates placing in jobs in Wyoming
- Instructional cost per student FTE

Equine science's strongest overall metrics were course success rates and the percent of students who transferred to a four-year institution within three years (regardless of LCCC graduation status).

Fire Science Technology (FIRE)

Fire science technology is an inactivated program area; its programs and course subjects are no longer being offered. It is included in the analysis because it was still active in the 2019-20 year.

Industrial Maintenance (INDMN)

Industrial maintenance earned 20.0 percent of its possible efficacy points and 42.2 percent of its possible value points. Its lowest metrics were:

- Annual FTE
- Annual number of participants
- Number of students declaring industrial maintenance as a program of study
- Number of regional job postings in the past twelve months
- Financial amount of community investment
- Number of graduates placing in jobs in Wyoming

Industrial maintenance did not have any overall metrics in which it scored a five.

Integrated Systems Technology (IST)

Integrated systems technology earned 35.0 percent of its possible efficacy points and 51.1 percent of its possible value points. Its lowest metrics were:

- Number of students declaring integrated systems technology as a program of study
- Number of regional job postings in the past twelve months
- Financial amount of community investment
- Number of degrees and certificates awarded in the 2019-20 year
- Percent of course sections that had an enrollment of eleven students or greater (threshold rate)

Integrated systems technology did not have any overall metrics in which it scored a five.

Music (MUSC)

Music earned 32.5 percent of its possible efficacy points and 51.1 percent of its possible value points. Its lowest metrics were:

- Regional projected three-year job growth
- Program uniqueness among Wyoming community colleges
- Three-year graduation rates
- Number of degrees and certificates awarded in the 2019-20 year
- Number of students who transferred to a four-year institution within three years (regardless of LCCC graduation status)
- Percent of course sections that had an enrollment of eleven students or greater (threshold rate)

Since the regional projected three-year job growth and three-year graduation rates were both weighted higher than other metrics, these scores had twice the impact on the music outcome.

Music did not have any overall metrics in which it scored a five.

Paralegal (LEGL)

Paralegal earned 40.0 percent of its possible efficacy points and 37.8 percent of its possible value points. Its lowest metrics were:

- Annual FTE
- Annual number of participants
- Regional average wages
- Financial amount of community investment
- Course success rates
- Percent of course sections that had an enrollment of eleven students or greater (threshold rate)

Paralegal did not have any overall metrics in which it scored a five.

Plumbing Technology (PLMB)

Plumbing technology earned 20.0 percent of its possible efficacy points and 51.1 percent of its possible value points. Its lowest metrics were:

- Annual FTE
- Annual number of participants
- Number of students declaring plumbing technology as a program of study

- Regional average wages
- Financial amount of community investment
- Number of degrees and certificates awarded in the 2019-20 year

Plumbing technology's strongest overall metrics were the regional projected three-year job growth and program uniqueness among Wyoming community colleges. Since job growth was weighted higher than other metrics, this score had twice the impact on the plumbing technology outcome.

Wind Energy (WIND)
Wind energy earned 52.5 of its possible efficacy points and 46.7 percent of its possible value points. Its lowest metrics were:

- Annual FTE
- Annual number of participants
- Number of students declaring wind energy as a program of study
- Number of regional job postings in the past twelve months
- Percent of graduates placing in jobs in Wyoming
- Instructional cost per student FTE
- Percent of course sections that had an enrollment of eleven students or greater (threshold rate)

Wind energy's strongest overall metric was course success rates.

Lower Right
The analysis groups in this quadrant have higher efficacy scores and lower value scores. The information below describes what metrics were most influential in the lower value scores (scores of 1) and each group's strongest metrics overall (scores of 5).

Agriculture
Agriculture earned 60.0 percent of its possible efficacy points and 57.8 percent of its possible value points. Its lowest value metric was the financial amount of community investment.

Agriculture's strongest overall metrics were the number of regional job posting in the past twelve months and the percent of students who transferred to a four-year institution within three years (regardless of LCCC graduation status).

Automotive Body Repair (AUBR)
Automotive body repair earned 72.5 percent of its possible efficacy points and 46.7 percent of its possible value points. Its lowest value metric was regional average wages.

Automotive body repair did not have any overall metrics in which it scored a five.

Automotive Technology (AUTO)
Automotive technology earned 77.5 percent of its possible efficacy points and 44.4 percent of its possible value points. Its lowest value metrics were regional projected three-year job growth and average regional wages. Since job growth was weighted higher than other metrics, this score had twice the impact on the automotive technology outcome.

Automotive technology's strongest overall metrics were the number of graduates placing in jobs in Wyoming and the percent of graduates placing in jobs in Wyoming.

Diesel Technology (DESL)

Diesel technology earned 85.0 percent of its possible efficacy points and 51.1 percent of its possible value points. Its lowest value metric was program uniqueness among Wyoming community colleges.

Diesel technology's strongest overall metrics were three-year graduation rates, the number of graduates placing in jobs in Wyoming, the percent of graduates placing in jobs in Wyoming, and the percent of course sections that had an enrollment of eleven students or greater (threshold rate).

Heating, Ventilation, Air Conditioning/Refrigeration (HVACR)

HVACR earned 60.0 percent of its possible efficacy points and 53.3 percent of its possible value points. Its lowest value metrics were annual FTE, annual number of participants, and the financial amount of community investment.

HVACR's strongest overall metrics were its regional projected three-year job growth, three-year graduation rates, and the percent of graduates placing in jobs in Wyoming. Since the regional projected three-year job growth and three-year graduation rates were both weighted higher than other metrics, these scores had twice the impact on the HVACR outcome.

Physical Therapist Assistant (PTAT)

Physical therapist assistant earned 90.0 percent of its possible efficacy points and 53.3 percent of its possible value points. Its lowest value metrics were the number of regional job postings in the past twelve months, regional average wages, and the financial amount of community investment.

Physical therapist assistant's strongest overall metrics were the regional projected three-year job growth, program uniqueness among Wyoming community colleges, course success rates, three-year graduation rates, instructional cost per student FTE, and the percent of course sections that had an enrollment of eleven students or greater (threshold rate). Since the regional projected three-year job growth and three-year graduation rates were both weighted higher than other metrics, these scores had twice the impact on the physical therapist assistant outcome.

Speech-Language Pathologist Assistant (SLPA)

Speech-language pathologist assistant earned 70.0 percent of its possible efficacy points and 51.1 percent of its possible value points. Its lowest value metrics were the number of regional job postings in the past twelve months, regional average wages, and the financial amount of community investment.

Speech-language pathologist assistant's strongest overall metrics were program uniqueness among Wyoming community colleges and course success rates.

Surgical Technology

Surgical technology earned 65.0 percent of its possible efficacy points and 57.8 percent of its possible value points. Its lowest value metrics were annual FTE, annual number of participants, the number of students declaring surgical technology as a program of study, and the financial amount of community investment.

Surgical technology's strongest overall metrics were the regional projected three-year job growth, program uniqueness among Wyoming community colleges, course success rates, and three-year graduation rates. Since the regional projected three-year job growth and three-year graduation rates were both weighted higher than other metrics, these scores had twice the impact on the surgical technology outcome.

Theatre (THEA)

Theatre earned 65.0 percent of its possible efficacy points and 40.0 percent of its possible value points. Its lowest value metrics were the number of regional job postings in the past twelve months and regional average wages.

Theatre's strongest overall metric was the percent of course sections that had an enrollment of eleven students or greater (threshold rate).

Welding Technology (WELD)

Welding technology earned 67.5 percent of its possible efficacy points and 35.6 percent of its possible value points. Its lowest value metrics were regional projected three-year job growth, regional number of job postings in the past twelve months, regional average wages, program uniqueness among Wyoming community colleges, and financial amount of community investment. Since job growth was weighted higher than other metrics, this score had twice the impact on the welding technology outcome.

Welding technology's strongest overall metric was the number of degrees and certificates awarded in the 2019-20 year.