Wyoming Community College Commission
2015-2016 Academic Program Review Report

The Annual WCCC Academic Program Review Report is designed to provide condensed program information for the WCCC in order to carry out WCCC's statutory review and oversight function as per W.S. 21-18-202 d(ii):

> *Review existing programs, determine the most effective and efficient delivery of programs qualifying for state funding pursuant to the statewide community college system strategic plan and terminate state funding for those programs which are inconsistent with the statewide community college system strategic plan;*

The WCCC Academic Affairs Council (AAC) members designed this report by integrating information from the colleges' program review processes with additional current data along with other pertinent program-specific information. All of the community colleges' program review processes contain more review criteria than are reported to the WCCC members in this report.

The WCCC did a final review of the format of this report in 2013 and the first Annual WCCC Academic Program Review Report was created in the same year. For the report, all credit program or program cluster reviews are reported to the WCCC once every five years. This annual report is planned for distribution to the commissioners before the fall quarterly WCCC meeting. The individual community colleges use a variety of internal review cycles. The review cycle length for some programs is influenced by program specific-accrediting agencies. The Annual WCCC Academic Program Review Report is comprised of two components:

Part A	Each community college's Program Review Summary (Excel spreadsheet template) is for program reviews reported to the WCCC that academic year. This document contains yearly updated information to include the previous academic year.

Part B	The Executive Overview of Program Review in Part B, is specific to each community college's program or a cluster of related programs. These program reviews include information from the most recent program review conducted. The community colleges include, at their discretion, information regarding: specialized accreditation, advisory committee actions, employment information, program improvements, student engagement, course grades, quality indicators,

articulation agreements, retention rates, student outcomes, class size restrictions, faculty qualifications, sufficiency of resources, and/or capacity to improve/advance the program. However, these reviews are designed to be brief and to only address a few of these topics.

The complete report will be posted to the WCCC website under "Reports". The 2016 program reviews or cluster of program reviews reported to the WCCC include:

- Communication
- Computer Applications
- Computer Information Systems
- Computer Networking Administration
- Computer Science
- Computer Web Design
- Corrections
- Crime Scene Investigation
- Criminal Justice
- Economics
- English as a Second Language
- Film Production
- General Studies
- Help Desk
- Industrial Technology
- Journalism
- Law Enforcement
- Liberal Arts
- Liberal Studies
- Manufacturing
- Music
- Music Education
- Music Technology
- Paramedic
- Pre-Allied Health
- Pre-Dentistry
- Pre-Medicine
- Pre-Nursing
- Pre-Occupational Therapy
- Pre-Optometry
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Professional
- Pre-Veterinary
- Printing Technology
- Process Technology
- Radio Production
- Religious Studies
- Renewable Energy Technology
- Screenwriting
- Security
- Surveying Technician
- Television Production
- Victim Advocacy

Academic Year Reported: AY 15-16	Casper College											
Casper College Program Name	Communication	Computer Science	Criminal Justice	Economics	General Studies	Liberal Arts	Manufacturing	Music	Pre-Dentistry, Pre-Medicine, Pre-Veterinary Pre-Occupational Therapy Pre-Optometry Pre-Physical Therapy	Pre-Pharmacy	Process Technology	Renewable Energy Technology
CIP code(s)	09.0101, 09.0102, 09.0401	11.0201, 11.1003, 11.0801, 11.1004, 52.0407	43.0104, 43.0106	45.0601	24.0102	24.0101	15.0613	50.0901, 50.0903, 13.1312	51.1101, 51.1102, 51.1104, 51.1107, 51.1108, 51.1109	51.1103	41.0303	15.0303
Name of credential(s)	AA Human Communication, AA Journalism, AA Multimedia	AS- Computer Science, AAS- Computer Security, AS- Computer Security, Computer Security Certificate, AAS- Software Support Specialist, Software Application Certificate, AAS- Web Design, Web Design Certificate, AAS- Web Development	AA- Criminal Justice, AAS- Criminal Justice, AS- Forensic Science	AS	AA, AS	AA	AAS, CERT	AA-Music, AFA-Music Education, AFA-Music Performance	AS	AS	CERT	AAS CERT
Active Partnerships (Yes/No)	No	No	No	No	No	No	No	No	No	No	No	No
Name of specialized accreditation organization (if applicable)								National Association of Schools of Music				
Active Advisory Committee (Yes/No)	No	No	No	No	No	No	No	No	No	No	No	Yes
Offering mode(s) (trad., distance or hybrid)	Trad, Distance	Trad, Distance	Trad, Distance	Trad, Distance	Trad, Distance	Trad, Distance	Trad	Trad	Trad, Distance	Trad, Distance	Trad	Trad
Course prefix	CO/M	COSC, CSCO, CSET, IMGT, INET	CRMJ	ECON	N/A	N/A	N/A	MUSC	N/A	N/A	PTEC	RETK

Acad Yr Reported: AY 15-16	Casper College											
Casper College Program Name	Communication	Computer Science	Criminal Justice	Economics	General Studies	Liberal Arts	Manufacturing	Music	Pre-Dentistry, Pre-Medicine, Pre-Veterinary Pre-Occupational Therapy Pre-Optometry Pre-Physical Therapy	Pre-Pharmacy	Process Technology	Renewable Energy Technology
Credit hour enrollment in courses with the course prefix for the past five academic years — AY 15-16	1825	1647	672	270				1580			120	55
AY 14-15	1862	1558	693	525				1267			170	20
AY 13-14	2154	1513	710	555				1756			192	
AY 12-13	2309	1794	769	468				1834				95
AY 11-12	2686	1700	848	570				2108				128
Number of declared majors for the past five academic years — AY 15-16	24	54	59	2	161	1	5	31	113	10	12	6
AY 14-15	26	47	53	2	132		5	21	121	12	14	3
AY 13-14	42	47	61	4	168	2	7	37	133	13	13	8
AY 12-13	35	63	72	1	228	6	2	46	107	12		11
AY 11-12	35	55	75	2	331	6	1	38	110	13		17
Number of program graduates (and/or certificate earners) for the past five academic years — AY 15-16	7	6	11	2	85		3	4	19	2	12	
AY 14-15	11	9	10		82		1	6	17	1	5	4
AY 13-14	17	7	12	2	111		2	13	18	4	14	3
AY 12-13	9	7	9		99	4		3	10	3		5
AY 11-12	15	9	9		109	1		6	5	2		5
Number of community college service area resident program graduates for the past five years — AY 15-16	4	5	7	2	58		3	1	10	1	6	
AY 14-15	7	7	7		52		1	4	6	1	5	
AY 13-14	12	6	10	2	66		1	11	12	2	9	2
AY 12-13	5	7	5		48	3			6	1		1
AY 11-12	8	9	5		73			3	3	2		3
Total number of Wyoming resident program graduates for the past five years — AY 15-16	7	5	11	2	71		3	3	16	1	10	
AY 14-15	10	8	10		71		1	5	15	1	5	4
AY 13-14	15	7	11	2	88		1	11	17	4	11	3
AY 12-13	7	7	9		85	4		2	10	3		2
AY 11-12	13	9	7		96	1		6	4	2		5
Plan for assessment follow-up (none, in-progress or done)	Current complete review	Current complete review	Current Complete Review	Current Complete Review	Current Complete Review	Current Complete Review	Current Complete Review	Current Complete Review	Current Complete Review	Current Complete Review	Current Complete Review	Current Complete Review

Academic Year Reported: AY 15-16		Central Wyoming College						
Program name or program cluster name that includes….		Computer Science	Criminal Justice	Liberal Arts	Music	Pre-Engineering	Pre-Legal	Pre-Health Professional
CIP code(s)		11.0701 15.1202 52.0411	43.0103 24.0102	24.0101	50.0901	14.0101	22.0001	51.1199 51.9999
Name of credential(s)		AS AAS CERT CERT II (CRD)	AA AAS	AA	AA	AS	AA	AS
Active Partnerships (Yes/No)		No	Yes	No	No	No	No	Yes
Name of specialized accreditation organization (if applicable)		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Active Advisory Committee (Yes/No)		Yes	Yes	No	No	No	No	No
Offering mode(s) (trad., distance or hybrid)		Traditional	Hybrid	Hybrid	Hybrid	Traditional	Hybrid	Hybrid
Course prefix		CMAP COSC CSCO CSEC MOUS MSFT IMGT	CRMJ HSEC	ART ENGL HIST HUMN MUSC THEA	MUSC	CHEM ES MATH PHYS	BADM CRMJ ECON MGT SOC	BIOL CHEM MOLB MATH NRST PHYS PSYC STAT ZOO
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	AY 15-16	1031	654	672	482	895	699	5824
	AY 14-15	950	997.5	705	574.5	853	930	5227
	AY 13-14	1072	817.5	951	563	758	699	5709
	AY 12-13	1128	1027.5	1191	915.5	795	825	5310
	AY 11-12	1437	780	1272	1029	858	882	5820
Number of declared majors for the past five academic years	AY 15-16	52	72	7	17	27	13	57
	AY 14-15	46	88	6	23	37	12	39
	AY 13-14	44	86	1	24	32	5	12
	AY 12-13	40	81		26	25	12	
	AY 11-12	55	87		32	29	16	
Number of program graduates (and/or certificate earners) for the past five academic years	AY 15-16	20	24		1	2		4
	AY 14-15	30	53		1	1		
	AY 13-14	12	62			4		
	AY 12-13	5	74		1	2	3	
	AY 11-12	7	85		3	3		

Academic Year Reported: AY 14-15		Central Wyoming College						
Program name or program cluster name that includes….		Computer Science	Criminal Justice	Liberal Arts	Music	Pre-Engineering	Pre-Legal	Pre-Health Professional
Number of community college service area resident program graduates for the past five years	AY 15-16	7	19		1	2		3
	AY 14-15	7	32			1		
	AY 13-14	3	47			4		
	AY 12-13	4	50			2	3	
	AY 11-12	6	55		3	3		
Total number of Wyoming resident program graduates for the past five years	AY 15-16	18	22		1	2		3
	AY 14-15	27	44		1	1		
	AY 13-14	12	51			4		
	AY 12-13	5	58		1	2	3	
	AY 11-12	6	62		3	3		
Plan for assessment follow-up (none, in-progress or done)		Annual progress reports with 5-yr program review report.	Annual progress reports with 5-yr program review report.	Annual progress reports with 5-yr program review report.	Annual progress reports with 5-yr program review report.	Annual progress reports with 5-yr program review report.	Annual progress reports with 5-yr program review report.	Annual progress reports with 5-yr program review report.

Academic Year Reported: AY 15-16		Eastern Wyoming College						
Eastern Wyoming College Program Name		Communication	Computer Applications	Criminal Justice includes: Law Enforcement Emphasis, Corrections Certificate, Corrections Emphasis, Criminal Justice	Economics	ESL/EFL Teaching Certificate Program	Music Applied,Music Education	Pre Professional includes: Pre-Dentistry, Pre-Medicine, Pre-Veterinary Medicine, Pre-Allied Health, Pre-Nursing, Pre-Pharmacy
CIP code(s)		09.0101	52.0499	43.0103, 43.0102, 43.0113, 43.0107	45.0601	13.0201	50.0901, 13.1312	51.1101, 51.1102, 51.1104, 51.1199, 51.1103
Name of credential(s)		COMM.AA	CAPS.C [BWEB.CD,CNET.CD, ITSS.CD,MIS.AA, CMAP.C]	CJLE.AA,CJDL.AA,CJCC.CD, CJCDL. CD,CJCR.AA,CJRDL.AA, CMJT.AAS [CRMJ.AA, CRMJ.AAS, CRDL.AA]	ECON.AS	ESFL.C	MUSC.AA, MUSED.AA	PDEN.AS,PMED.AS,PVET.AS, PAHL.AS, PNSG.AS,PHAR.AS,[MSGT.CD, MEDTK.AS]
Active Partnerships (Yes/No)		No	Yes	Yes	No	No	No	No
Name of specialized accreditation organization (if applicable)		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Active Advisory Committee (Yes/No)		No	No	Yes	No	No	No	No
Offering mode(s) (trad., distance or hybrid)		Trad	Trad	Trad & DL	Trad	Trad	Trad	Trad
Course prefix		CO/M	CMAP	CRMJ	ECON	EDUC, ITEC	MUSC	BIOL, CHEM, ENGL, MATH, PSYC, ZOO, PHYS, AMST, MOLB, PHIL, STAT, CO/M, COSC, CMAP, FCSC, HLED, SOC, HLTK, POLS
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	AY15-16	77	114	83	18	67	74	1355
	AY14-15	68	127	76	6	97	79	1456
	AY13-14	65	128	82	18	79	78	1399.5
	AY12-13	59	166	97	6	70	78	1318
	AY11-12	53	135	88	18	48	56	1244
Number of declared majors for the past five academic years	AY15-16	10	50	50		2	3	99
	AY14-15	10	38	48		3	1	87
	AY13-14	7	59	54		10	3	85
	AY12-13	4	98	73	1		1	85
	AY11-12	7	128	75	1		2	104

Academic Year Reported: AY 15-16		Eastern Wyoming College						
Eastern Wyoming College Program Name		Communication	Computer Applications	Criminal Justice includes: Law Enforcement Emphasis, Corrections Certificate, Corrections Emphasis, Criminal Justice	Economics	ESL/EFL Teaching Certificate Program	Music Applied, Music Education	Pre-Professional includes: Pre-Dentistry, Pre-Medicine, Pre-Veterinary Medicine, Pre-Allied Health, Pre-Nursing, Pre-Pharmacy
Number of program graduates (and/or certificate earners) for the past five academic years	AY15-16	4	4	4		2		6
	AY14-15	1	11	14		2		2
	AY13-14	1	14	6		1		10
	AY12-13	1	24	7	1	▓▓▓		4
	AY11-12			6		▓▓▓		4
Number of community college service area resident program graduates for the past five years	AY15-16							5
	AY14-15	1	4	6		2		
	AY13-14	1	9	2		1		2
	AY12-13	1	18	3		▓▓▓		3
	AY11-12			4		▓▓▓		1
Total number of Wyoming resident program graduates for the past five years	AY15-16	2	4	3		2		5
	AY14-15	1	11	12		2		2
	AY13-14	1	14	6		1		5
	AY12-13	1	22	4		▓▓▓		3
	AY11-12			4		▓▓▓		4
Plan for assessment follow-up (none, in-progress or done)		In-Progress	In-Progress	In-Progress	In-Progress	In-Progress	In-Progress	In-Progress

Academic Year Reported: AY 15-16		Laramie County Community College						
Program name or program cluster name that includes....		Communication (Mass Media, Multimedia)	Computer Science	General Studies	Music	Process Technology	Religious Studies	Renewable Energy Tech. (Wind Energy)
CIP code(s)		09.0102, 09.0702	11.0201, 11.1003, 11.0501, 47.0104, 11.0101, 11.0701, 52.0411, 11.0203, 11.0801, 11.9999	51.0001, 50.0501, 24.0199, 45.0101	50.0901, 13.1312, 50.0903	41.0303	38.0201	15.0503
Name of credential(s)		AA – Mass Media, AA - Multimedia	AAS - Computer Information Systems; CD - CIS Cybersecurity Fundamentals; CD - Cisco Certified Networking Associate (CCNA); CD - CIS Cybersecurity Professional; CD - CIS, Computer Technician (A+); AS - Computers/Business; AS - Computer Science; CD - Computer Support Specialist; CD - CIS Microsoft Systems and Networks; CD - CIS Web Design; CD - CIS Office Applications Specialist	AS - Health Sciences; AA - Interdisciplinary Liberal Arts, Theatre; AA - Interdisciplinary Liberal Arts; AA - Social Sciences	AA – Music; AA - Music, Instrumental Education; AA - Music, Instrumental Performance; AA - Music, Vocal Education; AA - Music, Vocal Performance	CD - Process Technology	AA - Religious Studies	AAS - Wind Energy
Active Partnerships (Yes/No)		No	Yes	No	No	No	No	No
Name of specialized accreditation organization (if applicable)		N/A	N/A	N/A	N/A	N/A	N/A	N/A
Active Advisory Committee (Yes/No)		No	Yes	No	No	Yes	No	Yes
Offering mode(s) (trad., distance or hybrid)		Trad, Distance	Trad	N/A	Trad, Distance	Trad	Trad	Trad
Course prefix		MMMM	COSC, CMAP	N/A	MUSC	PTEC	RELI	WTT
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	AY15-16	585	3080	N/A	624	346	87	333
	AY14-15	615	4688	N/A	624	495	144	331
	AY13-14	740	4747	N/A	1249	444	150	416
	AY12-13	796	5181	N/A	1380	N/A	156	629
	AY11-12	928	5490	N/A	1510	N/A	159	792

Academic Year Reported: AY 15-16		Laramie County Community College						
Program name or program cluster name that includes….		Communication (Mass Media, Multimedia)	Computer Science	General Studies	Music	Process Technology	Religious Studies	Renewable Energy Tech. (Wind Energy)
Number of declared majors for the past five academic years	AY15-16	50	208	1483	33	28	1	42
	AY14-15	54	278	1939	48	34	5	55
	AY13-14	72	299	1915	68	34	5	78
	AY12-13	99	296	1884	91		4	97
	AY11-12	107	327	2088	85		5	124
Number of program graduates (and/or certificate earners) for the past five academic years	AY15-16	8	43	115	4	21	1	9
	AY14-15	2	28	168	7	31		14
	AY13-14	2	63	163	6	32		28
	AY12-13	6	66	145	3			13
	AY11-12	7	47	116	7			19
Number of community college service area resident program graduates for the past five years	AY15-16	8	36	80	3	19	1	7
	AY14-15	2	27	133	5	30		6
	AY13-14	2	61	117	2	31		20
	AY12-13	5	50	113	3			2
	AY11-12	5	34	94	4			12
Total number of Wyoming resident program graduates for the past five years	AY15-16	8	37	87	3	19	1	7
	AY14-15	2	27	149	5	30		7
	AY13-14	2	62	140	2	31		20
	AY12-13	5	61	130	3			5
	AY11-12	6	37	108	5			15
Plan for assessment follow-up (none, in-progress or done)		In-Progress	In-Progress	In-Progress	In-Progress	In-Progress	In-Progress	In-Progress

Academic Year Reported: AY 15-16		Northwest College										
Program name or program cluster name that includes….		Communication	Journalism (Print, Web Broadcasting, Endorsement for Public School Teachers)	Film, Radio, and Television (Film Production, Radio Production, Television Production, Screenwriting)	Help Desk	Criminal Justice	General Studies	Liberal Studies	Music	Music Technology	Pre-Professional Sciences (Pre-Medicine, Pre-Veterinary, Pre-Dentistry, Pre-Occupational Therapy, Pre Optometry, Pre-Pharmacy, Pre-Physical Therapy)	Surveying Technician
CIP code(s)		09.0101	09.0401, 09.0402	50.0602, 10.0202, 50.0504	11.0301	43.0103	24.0102	24.0101	50.0901	59.9999	51.1103, 51.1199	14.3801
Name of credential(s)		AA	AA, Certificate	AA, AAS, Cert	Cert	AA	AA,AS	AA	AA	AAS	AS	Cert
Active Partnerships (Yes/No)		No	No	No	No	No	No	No	Yes	Yes	No	No
Name of specialized accreditation organization (if applicable)									National Association of Schools of Music (NASM)	National Association of Schools of Music (NASM)		
Active Advisory Committee (Yes/No)		No	No	No	No	No	No	No	No	Yes	No	No
Offering mode(s) (trad., distance or hybrid)		Trad, Hybrid	Trad, Hybrid	Trad, Hybrid	Trad, Hybrid	Trad, Hybrid	Trad, Hybrid	Trad, Hybrid	Trad, Hybrid	Trad, Hybrid	Trad, Hybrid	Trad, Hybrid
Course prefix		CO/M	JOUR	FLM/R, RADI	CMAP	CRMJ	N/A	N/A	MUSC	MUSC	BIOL	N/A
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	AY 15-16	492	64	53		216	N/A	N/A	710	710	449	N/A
	AY 14-15	583	87	72		190	N/A	N/A	629	629	384	N/A
	AY 13-14	591	68	64	55	268	N/A	N/A	708	708	396	N/A
	AY 12-13	597	65	76	134	263	N/A	N/A	931	931	475	N/A
	AY 11-12	650	113	98	151	212	N/A	N/A	1108	1108	474	N/A
Number of declared majors for the past five academic years	AY 15-16	10	14	16		61	280	2	25	19	67	
	AY 14-15	22	12	17		58	331	4	20	15	69	
	AY 13-14	19	10	18		92	427		25	22	67	
	AY 12-13	17	18	16	1	75	461	2	30	23	61	
	AY 11-12	16	16	17	1	84	560	1	39	21	81	

Academic Year Reported: AY 14-15	Northwest College											
Program name or program cluster name that includes….		Communication	Journalism (Print, Web Broadcasting, Endorsement for Public School Teachers)	Film, Radio & Television (Film Production, Radio Production, Television Production, Screenwriting)	Help Desk	Criminal Justice	General Studies	Liberal Studies	Music	Music Technology	Pre-Professional Sciences (Pre-Medicine, Pre-Veterinary, Pre-Dentistry, Pre-Occupational Therapy, Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy)	Surveying Technician
Number of program graduates (and/or certificate earners) for the past five academic years	*AY 15-16*	7	5	1		6	58		3	2	11	
	AY 14-15	6	1	1		11	44		2	2	9	
	AY 13-14	6	3	2		17	52		2	6	13	
	AY 12-13	2	4	5		12	51		8	5	12	
	AY 11-12	10	4	5	1	13	57		5	2	7	
Number of community college service area resident program graduates for the past five years	*AY 15-16*	3	3	1		3	28		1		3	
	AY 14-15	6				4	23			1	2	
	AY 13-14	3	3	1		11	23		1	3	7	
	AY 12-13	1	2	1		7	34		5	1	10	
	AY 11-12	5	1	1		9	37		1	2	2	
Total number of Wyoming resident program graduates for the past five years	*AY 15-16*	5	3	1		4	33		2	2	6	
	AY 14-15	6	1	1		4	29		2	1	5	
	AY 13-14	3	3	1		12	35		2	4	12	
	AY 12-13	2	3	2		8	39		7	2	11	
	AY 11-12	5	2	2		10	37		3	2	3	
Plan for assessment follow-up (none, in-progress or done)		Done	Programs discontinued in 2016	Programs discontinued in 2016	Done-Part of business programs	Done	Done	Done	Done	Done	Done	Program discontinued in 2016

Academic Year Reported: AY 15-16		Northern Wyoming Community College District					
Program name or program cluster name that includes….		Computer Information Systems 11.0401 Computer Networking Admin 11.0101 Computer Web Design 11.1004	Criminal Justice 43.0104 Corrections 43.0102 Crime Scene Investigation 43.0114 Law Enforcement 43.0104 Security 43.0120 Victim Advocacy 43.0104	General Studies	Music Music Technology	Pre-Professional	Industrial Technology
CIP code(s)				24.0102	50.0901	30.9999	48.9999
Name of credential(s):		AS,AAS	AA,AS,AAS,Certificate	AA,AS	AFA,Certificate	AS	AAS
Active Partnerships (Yes/No)		No	No	No	Yes	No	Yes
Name of specialized accreditation organization (if applicable)		None	None	None	None	None	None
Active Advisory Committee (Yes/No)		Yes	Yes	No	No	No	No
Offering mode(s) (trad., distance or hybrid)		Distance	Traditional, Distance	Traditional, Distance, Hybrid	Traditional, Distance	Traditional, Distance	Traditional
Course prefix		COSC, CSCO, INET, MSFT	CRMJ	AIST, ASL, ANTH, CHIN, CO/M, FREN, F&R, GERM, HMDV, HUMN, ITAL, PHIL, POLS, RELI, RUSS, SPAN, WMST	MUSC	ZOO	TECH
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	AY15-16	834	1041	4467	833	1610	62
	AY14-15	639	1107	5127	992	1348	137
	AY13-43	753	1101	5777	1086	1224	113
	AY12-13	913	1167	5912	1209	1323	133
	AY11-12	1077	1086	5983	1183	1179	169
Number of declared majors for the past five academic years	AY15-16	38	61	574	13	25	14
	AY14-15	49	86	782	27	32	23
	AY13-43	61	119	754	34	34	17
	AY12-13	59	132	694	26	44	23
	AY11-12	65	120	708	26	50	2

Academic Year Reported: AY 15-16		Northern Wyoming Community College District					
Program name or program cluster name that includes….		Computer Info Systems Computer Networking Admin Computer Web Design	Criminal Justice Corrections Crime Scene Investigation Law Enforcement Security Victim Advocacy	General Studies	Music Music Technology	Pre-Professional	Industrial Technology
Number of program graduates (and/or certificate earners) for the past five academic years	AY15-16	2	13	146	6	4	3
	AY14-15	9	24	157	9		2
	AY13-43	4	14	172	6	3	
	AY12-13	2	21	133	7	4	1
	AY11-12	4	10	132	6	2	
Number of community college service area resident program graduates for the past five years	AY15-16	1	12	86	4	1	2
	AY14-15	7	15	96	6		2
	AY13-43	4	9	91	4	2	
	AY12-13	2	15	79	7	2	1
	AY11-12	4	7	82	5	1	
Total number of Wyoming resident program graduates for the past five years	AY15-16	1	13	104	5	3	3
	AY14-15	7	21	119	8		2
	AY13-43	4	9	124	6	2	
	AY12-13	2	19	98	7	4	1
	AY11-12	4	8	102	6	1	
Plan for assessment follow-up (none, in-progress or done)		None	None	None	None	None	None

Academic Year Reported: AY 15-16		Western Wyoming Community College					
Program name or program cluster name that includes…		Computer Science	Criminal Justice	Paramedic	ESL	Music	Printing Tech
CIP code(s)		11.0401, 11.0801	43.0103	N/A	24.0101	50.0901	N/A
Name of credential(s)		Computer Information Systems AS Degree, Web Site Development Certificate, Digital Design Technologies Certificate	Criminal Justice Emphasis AA Degree, Law Enforcement AAS Degree		English as a Second Language Certificate	Music Emphasis AA Degree, Music Instrumental AA Degree	
Active Partnerships (Yes/No)		Yes	Yes		Yes	Yes	
Name of specialized accreditation organization (if applicable)		No	No		No	Yes	
Active Advisory Committee (Yes/No)		Yes	No		No	Yes	
Offering mode(s) (trad., distance or hybrid)		Hybrid	Hybrid		Hybrid	Hybrid	
Course prefix		COSC	CRMJ		HMDV	MUSC	
Credit hour enrollment in courses with the course prefix (above) for the past five academic years	AY15-16	535	681		21	598	
	AY14-15	487	663		42	550	
	AY13-14	611	855		24	653	
	AY12-13	407	789		12	809	
	AY11-12	545	750		36	712	
Number of declared majors for the past five academic years	AY15-16	13	77		8	9	
	AY14-15	11	81		3	13	
	AY13-14	13	105		4	16	
	AY12-13	9	95		7	18	
	AY11-12	12	103		10	19	

Academic Year Reported: AY 15-16		Western Wyoming Community College					
Program name or program cluster name that includes…		Computer Science	Criminal Justice	Paramedic	ESL	Music	Printing Tech
Number of program graduates (and/or certificate earners) for the past five academic years	AY15-16	22	16		5	2	
	AY14-15	25	9		7	2	
	AY13-14	16	17		10	5	
	AY12-13	19	16		4	3	
	AY11-12	15	16		6	3	
Number of community college service area resident program graduates for the past five years	AY15-16	18	15		3	2	
	AY14-15	25	8		3	1	
	AY13-14	8	15		4	4	
	AY12-13	16	13		2	3	
	AY11-12	13	14		4	3	
Total number of Wyoming resident program graduates for the past five years	AY15-16	18	15		3	2	
	AY14-15	25	8		4	1	
	AY13-14	9	16		4	4	
	AY12-13	16	14		2	3	
	AY11-12	14	16		5	3	
Plan for assessment follow-up (none, in-progress or done)		In-progress	In-progress		In-Progress	In-Progress	

Executive Overview of Program Reviews

Casper College

Name of Program: Communication
CIP Code(s) (six digits): 09.0101, 09.0102, 09.0401
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17
Credential(s) awarded: AA - Communication – Human Communication; AA Communication – Journalism; AA Communication – Multimedia

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The U.S. Department of Education defines communication study as "instructional programs that focus on how messages in various media are produced, used, and interpreted within and across different contexts, channels and cultures, and that prepare individuals to apply communication knowledge and skills professionally." The Casper College Communication Program provides a comprehensive curriculum designed to meet the diverse communication needs essential in all careers. The program serves students in all academic, vocational, and professional programs with skill development while offering advanced courses in theory and technical training for Communication majors. The Communication Department provides a program parallel to the first two years of baccalaureate education in three areas: Human Communication, Journalism, and Multi-Media Studies.

Additional Narrative:
The Communication Program, in addition to providing a wide-scope of curriculum, staffs and supports the Oral Communication Lab (OCL), which provides one-on-one tutoring in all elements connected to preparing and presenting an oral presentation. The OCL also offers workshops and training in best practices in oral communication for college faculty, staff, administration, and community members. Beyond the curricular components, The Communication Program supports and maintains a National Award winning competitive Collegiate Speech and Debate Team.

Name of program: Computer Science
CIP Code(s) (six digits): 11.0201, 11.1003, 11.0801, 11.1004, 52.0407
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17

Credential(s) awarded: AS Computer Science, AAS Computer Security, AS Computer Security, Computer Security Certificate, AAS Software Support Specialist, Software Application Certificate, AAS Web Design, Web Design Certificate, AAS Web Development

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The computer science program provides quality training relevant to current trends in the computer sciences, providing broad applications language background. These are used to prepare students for the first two years of a four year computer science or management information degree programs.   As technology continues to drive change in the workplace, our students in computer science must be able to keep up with these changes. The computer science program incorporates traditional and innovative equipment, current software and resources for our students, but is always behind in equipment based upon the ever-changing needs in computer science.

Additional Narrative:
In years past, computer science was in the business division, then moved to the science division and now has returned to the School of Business and Industry. This provided the impetus for a name change of our computer-related programs: Computer Science and Information Systems (CSIS) which was called Business Information Systems prior to the computer science acquisition.

Name of program: Criminal Justice
CIP Code(s) (six digits): 43.0104, 43.0106
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17
Credential(s) awarded: AA Criminal Justice and AAS Criminal Justice

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
>The Criminal Justice program provides students with high quality and professionally experienced faculty and curricula that develop introductory knowledge in the areas of policing, criminology, criminal law, criminal courts and corrections from a social science perspective. The program prepares students for continued education at a higher-level institution, a professional training academy, OR a career in criminal justice

The criminal justice AAS degree is intended to provide students with the knowledge needed to find entry level work in a variety of criminal justice fields. The AA degree is intended for students who anticipate completing a four year degree. We strive to educate students about legal, social and political concepts relevant to criminal justice. Fittingly for Wyoming, we encourage field trips, service learning and internships for students as opportunities for students to experience inquiry in both the classroom and community.

Additional Narrative:

Here in Wyoming a Criminal Justice degree is not required by many employers. In addition, it is not uncommon for graduates applying for employment with a criminal justice agency to be disqualified upon completion of an in depth background check. In most cases their failure to gain employment is not related to their lack of knowledge or skills, but rather based on issues related to past crimes, drug use, or temperament. In addition, many students who enter the criminal justice program have preconceived notions about the career field based on movies and television portrayals. Once they understand the realities of the profession, some will change their major before or after graduating from Casper College.

A recent online check of criminal justice positions in the state showed a significant range in salaries. Here are a few examples:

Law Enforcement (No degree required)		Comments
Casper Police	$50,000 per year	$720 per year bonus with AA
Natrona County Sheriff	$43,884 per year	Begin in detention center
Wyoming Highway Patrol	$42,672 per year	Higher with experience
WY Correctional Officer Prison	$32,820 per year	Earn more due to required overtime
WY Probation and Parole	$42,768 per year	BA degree required

According to O-Net Online, the projections for Wyoming are:

Wyoming	Employment		Percent Change	Projected Annual Job Openings
	2014	2024		
Police Patrol Officers	1230	1260	+3%	40 Statewide
Public Safety Dispatchers	260	240	-7%	10 Statewide
Correctional Officers or Jailers	1090	1100	+1%	30 Statewide

The Wyoming Law Enforcement Academy reports the following numbers for new peace officers and detention officers who were trained at the academy over the last five years. The actual numbers for the last five years are more than double the O-net projections.

Level	2016	2015	2014	2013	2012	Average
Peace Officer	104	96	107	92	109	101.6
Detention Officer	73	62	51	67	61	62.8

Name of program (or programs in this cluster): Economics

CIP Code(s) (six digits): 45.0601
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17
Credential(s) awarded: AS

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Economics Program is a discipline that involves topics like wealth, finance, recessions, banking, and scarcity of those resources. The program helps students understand historical trends, today's headlines and tomorrow's predictions for the coming decades. Economics study ranges from small to very large incorporating microeconomics to assess links between health and well-being to macroeconomics which answers the big picture questions with governments, banking and even boom and bust cycles.

Additional narrative:

This past year, long-time economics faculty member Dr. Tom Schellberg retired. Casper College did not hire a full time faculty member for the Economics position. At the present time economic classes are being taught by qualified adjunct and full-time faculty members. We are fortunate several of our faculty (business and agriculture) have upper level classes in economics to be qualified to teach economics. Economics classes are used in business, social work, sociology and agriculture degrees.

Name of program (or programs in this cluster): General Studies

CIP Code(s) (six digits): 24.0102
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17
Credential(s) awarded: AS and AA

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The general studies degrees are designed for those students who have not yet decided upon a specific field of study. They can also be earned by students who plan to pursue a specialized curriculum at a transfer institution or by those interested in earning an associate degree via distance education media.

Name of program: Liberal Arts

CIP Code: 24.0101
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17
Credential awarded: Associate of Arts

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The purpose of the Associate of Arts in Liberal Arts is to provide students with a general multidisciplinary curriculum that allows students to explore a broad swath of topics within a liberal arts framework. Because it is not prescriptive in any one discipline, it provides an extensive path to a more advanced or professional program that then becomes more specialized.

Name of program (or programs in this cluster): Manufacturing Technology

CIP Code(s) (six digits): 15.0613
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17
Credential(s) awarded: AAS or Manufacturing Technology Certificate

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The manufacturing technology program provides the necessary training for its graduates to compete in the rapidly changing manufacturing industry. This is accomplished by providing technical training in several manufacturing areas: 1) manufacturing design and blueprint reading; 2) automated manufacturing and machine tool equipment; and 3) welding applications. There were 264,000 job openings in manufacturing in March 2014 according to the U.S. Bureau of Labor Statistics and while these employment opportunities may decline in most manufacturing industries between 2012 and 2022, future job openings will result from retirement of those currently in the field.

Additional Narrative:

Manufacturing in Casper, Wyoming seems to be a low growth area of employment. Recently, there have been several areas of growth in manufacturing in Wyoming which appear to fit the national trend for employment in manufacturing. While we may not have the manufacturing niche, the areas in manufacturing such as welding, machine tool, CNC, etc. continue to be in demand in the face of our state's downturned economy.

Name of program: Music

CIP Codes: 50.0901, 50.0903, 13.1312
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17
Credential(s) awarded: AA Music, AFA Music Performance, AFA Music Education

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The department's mission statement: "The Music Department shall prepare students with a foundation for a career in music, while providing educational enrichment and cultural opportunities for the college and the greater community." As such, the AA and AFA degrees allow students to acquire the necessary skills to transfer to a baccalaureate institution. Apropos, the AA has been articulated with the University of Wyoming, where students have completed their studies and have become music teachers and professional performers. Also, many community members engage in the large performance ensembles as well as the academic courses offered, and even more community members are regular concert attendees. These vibrant programmatic activities combine to fulfill the missions of Casper College and the Department of Music.

Additional Narrative:

Casper College is a fully accredited institutional member of the National Association of Schools of Music (NASM) [www.arts-accredit.org]. As such, the degree programs are subjected to regular, rigorous standards reviews that include purposes, operations, curricular requirements, and mechanisms for peer evaluation and improvement. In an isolated region, Casper College values accreditation that ensures students an education equivalent to the first two years of a baccalaureate. The on-site NASM visit occurred in 2009. Since then, a new music facility was planned and constructed to meet accreditation standards and to serve students as well as the community. The NASM Commission on Community College Accreditation granted renewal of institutional accreditation, and scheduled the next on-site review for 2019.

Name of program: Pre-Professional (Medical) Degrees

CIP Code(s) (six digits):Pre-Dentistry (51.1101)
Pre-Medicine (51.1102)
Pre-Veterinary (51.1104)
Pre-Occupational Therapy (51.1107)
Pre-Optometry (51.1108)
Pre-Physical Therapy (51.1109)
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17
Credential(s) awarded: Associate of Science in all of the above fields.

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

All six of these degrees are designed to help students enter various medical related fields. They prepare students to satisfy prerequisites for entry into selective programs at Casper College, the University of Wyoming, and other higher education partners. Health-related occupations are, and will continue to be, a growth area for Wyoming and the nation.

Name of program: Pre-Pharmacy
CIP Code(s) (six digits): 51.1103
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2016-17
Credential(s) awarded: Associate of Science.

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Associate of Science degree in Pre-Pharmacy is somewhat unique in that it is not one that is readily adaptable to a 2+2 type of arrangement with the University of Wyoming. Essentially, our goal with this degree is to prepare students for admittance into the Pharmacy School by offering the wide range of introductory science and math classes that a student pursuing that goal will need. Similar to many of the "pre-professional," medical related degree programs, the Pre-Pharmacy degree at Casper College is designed to help students establish a comprehensive skill and knowledge base for ultimate success in future studies.

Additional Narrative:
We are beginning to investigate the possibility of designing a custom "3 + admittance" type of agreement with the University of Wyoming's School of Pharmacy that may assist students with ease of transfer in the future.

Name of program (or programs in this cluster): Process Technology
CIP Code(s) (six digits): 41.0303
Date this report is presented to the WCCC: October 2016
Credential(s) awarded: Certificate
Academic year review was done: 2016-17

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
A certificate in Process Technology is designed to provide the necessary foundational skills for participants interested in entering Petro-Chemical career fields. The certificate is offered in a traditional 15 week program that is designed for one semester of training Monday through Friday. The program is safety intensive and participants are issued an OSHA General Industry 10 hour Card upon successful completion. Students also gain valuable knowledge in Mechanical, Electrical, and Process Technology areas.

Additional Narrative:
The Casper College Process Technology program initially received a Trade Adjustment Assistance Community College and Career Training Program (TAACCCT) grant specifically for the creation of an integrated energy program that addressed the workforce needs of Wyoming's energy industry in 8 disciplines with one of those areas in Process Technology. The grant afforded Casper College the opportunity to purchase new equipment and provided for a

Workforce Training Specialist, but enrollment has been non-existent since the downturn in our state economy. The economy has had an impact on this program and it will no longer be offered after the Spring 2017.

Name of program (or programs in this cluster): Renewable Energy Technology
CIP Code(s) (six digits): 15.0503
Date this report is presented to the WCCC: October 2016
Credential(s) awarded: AAS or Certificate
Academic year review was done: 2016-17

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The primary objective of the renewable energy technology program is to instruct each student in areas that will make them a valuable and employable technician in the renewable energy industry. Our mission is to work with community partners and continue to place our students into the energy field. Students have been quite successful in gaining employment in the local renewable industry.

Additional Narrative:
With the new TAACCCT grant, Casper College was able to obtain new equipment in the renewable technology program. We have obtained a turbine nacelle learning system, turbine generator control learning system rigging learning systems in addition to training for our faculty. The addition of these new systems have added tremendously to our classroom and field instruction.

Central Wyoming College

Name of program: American Indian Studies
CIP Code (six digits): 05.0202
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-2016
Credential(s) awarded: AA; CERT II

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The American Indian Studies program strives for an academically sound evaluation of the history and cultures of the native peoples of the North American continent. Particular emphasis is placed on the tribes of the adjacent Wind River Reservation adjacent to Central Wyoming College. The Arapaho and Shoshone Tribes are the main employer of the reservation with tribal

governments and tribal casinos. A better educated population makes better decisions concerning tribal governance, natural resources, and cultural issues facing the Wind River Reservation.

Additional Narrative:
The Associate of Arts Degree makes an excellent transfer degree to the University of Wyoming and also surrounding universities that offer Bachelor Degrees in American Indian Studies. The workforce on the Wind River Reservation is enhanced by American Indian Studies background with the many issues from tribal governance, education, natural resource management, self-government, and cultural preservation prevalent to issues in the local community. Tribal leadership are enhanced with a background in American Indian Studies as well as the tribal employers such at the tribal governments, casinos, and Bureau of Indian Affairs.

Name of program: Communication/Film/TV/Radio
CIP Code (six digits): 09.0701
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-2016
Credential(s) awarded: AAS

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Associate of Applied Science degree in Radio, TV, Film, or Communication is designed to prepare students for entry level positions in the broadcast, TV, film and communication industry.

Additional Narrative:
The Associates of Applied Science degree in Radio, TV, Film or Communication is designed as a hands-on, collaborative and highly skilled program that encourages students to learn and employ current best-practices and techniques within each emphasis. Each emphasis builds a skill-set for students to employ in a career within the selected field. The career outlook for these areas of emphasis is highly dependent on the radio, television and film markets of a given geographic region. Historically, Central Wyoming College is one of the few, and sometimes the only, college in the state of Wyoming that offers such areas of study. Graduates are able to seek work in local production houses, Wyoming PBS, local radio stations, and in a very wide variety of communication careers like public relations and marketing; and a
component of the degrees also empowers graduates to start their own small businesses in the field.

Name of program: Computer Science, Computer Technology, Software Support Specialist

CIP Code(s) (six digits): 11.0701, 15.1202, 52.0411
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-2016
Credential(s) awarded: AS, AAS, CERT I, CERT II (CRD)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Computer Science program provides foundational classes that prepare students for further studies at the University of Wyoming or another four-year college or university. Jobs in computer science are among the fastest-growing and highest-paid in our country. It is estimated that there are over 500,000 open jobs, in every sector of the economy, for only 50,000 graduates every year. Work in computer science can frequently be done remotely, offering Wyoming residents an opportunity to live in Wyoming but work nationwide. A desire to be able to stay in Wyoming is communicated to us by many students.

Changes were made to the A.S. Computer Science program during the 2013 - 2014 academic year. These changes included reducing the total number of credits required in the program from 64 to 60 credits by reducing the number of credits of program electives required, in response to a legislative request that community colleges reduce the number of credits in the majority of their programs to 60 credits. College-wide changes were made to the general education requirements in the 2015 - 2016 academic year which will come into effect in the 2017 - 2018 academic year. These changes will allow us to revise this program to be able to offer students more discipline-specific courses and generate a "2+2" program with the University of Wyoming, where students would be able to take two years of classes at CWC and then finish their bachelor's degree in two years at UW.

At Central Wyoming College we are fortunate to have a vigorous undergraduate research program with projects for students interested in biomedical sciences, earth and environmental sciences and archeology and anthropology. It is our desire to develop research opportunities for students whose interest lies outside of these areas. Additionally, we are investigating opportunities to offer students, whose interests may lie outside of academe opportunities, professional experiences through internships. We anticipate that both of these programs will provide an incentive for students to complete their degrees here at CWC, develop the soft skills that employers are looking for and better prepare them for their further educational or career goals.

Additional Narrative:
We are considering a joint advisory committee with our AAS Computer Technology program to help guide future changes to the program.

- The program enrollment rate has more than doubled over the past 5 years. In the fall of 2011 we had 10 students enrolled in the program, and for the past two academic years we have had more than 20.

Name of program: Criminal Justice (AA & AAS)

CIP Code (six digits): 43.0103, 24.0102
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-2016
Credential(s) awarded: AA, AAS

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Criminal Justice Program of Central Wyoming College is designed to carry out the philosophy, vision and mission of the College. In order to successfully meet this mission the Criminal Justice program endeavors to develop the "whole" person by providing the student with the necessary and requisite Criminal Justice knowledge and giving the student a basic ability to understand and work in today and tomorrow's society. To this end the program strives to give the student a broad and basic appreciation, not only for the direct subject matter, but also for related areas including, but not limited to, political science, writing skills, reading, writing and oral communication skills, the humanities, technological literacy, self - directed learning, and critical thinking.

The role of the student as a citizen of the community is as important as his/her role as a criminal justice professional. A successful student will be well prepared to operate in the criminal justice system and contemporary society. A Criminal Justice Major will learn more than "criminal justice". A Criminal Justice Major will receive an education that is useful for many careers and for living and succeeding in the twenty-first century.

Additional Narrative:

The magnitude and changing complexity of criminal activities dictate the need for criminal justice personnel who have a broad-based educational experience. The program, as presented, includes General Education courses from the college curriculum, specialized Criminal Justice core courses, essential interdisciplinary offerings and suggested Criminal Justice requirements. The Associate of Applied Science Program is designed to meet the needs of pre-service and in – service criminal justice personnel as a terminal degree.

Alternatively, the Associate of Arts program fulfills the initial two-year curriculum for many four-year Criminal Justice programs. Individuals desiring a career in corrections work may benefit from this curriculum by selecting certain recommended courses in corrections. Those students who plan a career in corrections counseling or administration should also plan to take graduate study.

Name of program (or program cluster): Meta Major: Liberal Arts

CIP Code (six digits): 24.0101
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-2016
Credential(s) awarded: AA

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The mission of the Liberal Arts Meta Major Program is to successfully educate a wide variety of students in the Liberal Arts, both in its theories and practices/performances.   The program seeks to enhance the student's ability to create or discover meaningfulness in life and success in career choices along the pathway of Liberal Arts. Liberal Arts study supports and develops the unique creative consciousness demanded in a wide variety of career settings, from advertising to theatre, sculpture to philosophy, film studies to creative writing, and music to sculpture. Liberal Arts students contribute to the clarity, flexibility, morality and active compassion of the collective mind of their communities.

The A.A. in Liberal Arts is intended to provide a strong basis for a student's continuation toward higher degrees in any of the Liberal Arts. The degree helps to orient and discover, for students, those more specific areas in the Liberal Arts wherein they may specialize in future degrees. Students pursuing a Liberal Arts Meta Major gain the broadest foundation offered in Liberal Arts while they explore possible directions within its varieties of creative theory, composition and performance. They experience more flexibility in their program requirements, having a voice in the program's "elective" styled section of program requirements. The Liberal Arts Meta Major should have strong opportunity to continue toward a higher degree or to seek employment where employers are looking for those who have endeavored to more broadly study the "human element" or "human experience."

Additional Narrative:

This is a college transfer program for students who wish to combine coursework in several areas of interest within Liberal Arts. Courses for this program are chosen primarily from the humanities and from the arts. Students may include a variety of courses or may concentrate on more specific areas of interest. This should be done with their faculty advisor, meeting regularly with the advisor to help ensure satisfactory academic progress.

This program has not yet been in place for five years. Having been operational for two years, the program is still in its infancy and currently endeavors to shape itself according to data currently in collection. The data will show specifically what demands exist for employing those with the most broad introduction (two-year study) in Liberal Arts as well as specifing in direction in further academic success in more narrowly defined Liberal Arts fields. As data is collected, the program will be geared to serve both the employment market and the fitting Liberal Arts tracks in further higher education

This is the first review conducted for this program, as it is new; therefore, no reference here is being made to previous reviews for the purpose of informing/shaping the current review.

Name of program: Music

CIP Code (six digits): 50.0901
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-2016
Credential(s) awarded: AA

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Associate of Arts degree in music consists of a two-year curriculum designed to prepare students to enter the university as a junior music major. A diverse selection of music courses is offered for students pursuing majors other than music to fulfill general education requirements and as electives. Several music ensembles are offered for community enrollment and participation to accommodate and encourage lifelong engagement in music. The established goals, values, and student attributes of the college permeate music courses in support of the college mission.

Additional Narrative:
The Music Department's purpose is twofold: serve community students and serve students preparing to transfer to a university. This is accomplished through student-centered activities in performance, composition and listening. The music program and its co-curricular activities provide opportunities to prepare for professional careers in music performance and education and to participate in organized activities of a cultural and recreational nature.
The music program provides a cultural base for Fremont County by offering performance and lifelong learning opportunities for community members who are not degree seeking. The performing ensembles reach varied audiences throughout the county through concerts, private receptions, club events, dances and community celebrations.

Name of program: Pre-Engineering

CIP Code (six digits): 14.0101
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-2016
Credential(s) awarded: AS

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Pre-Engineering program allows the student interested in pursuing any of the fields of engineering, civil, mechanical, electrical, environmental, chemical, or geotechnical to gain the

basic skills of engineering while allowing some degree of specialization. This degree is designed for transfer to four-year institutions granting degrees in specific areas of engineering.

Additional Narrative:

It is interesting to see the number of students enrolled in classes required for the pre-engineering program has increased by over 100% from Fall 2012 (56 students) to Fall 2015 (114 students). That is HUGE enrollment growth compared to CWC as a whole. In that same time period CWC has had steadily decreasing overall enrollments. This means that the ratio of all CWC students who are taking these classes has increased by over 100%. Meaning more CWC students are interested in a degree in engineering than ever before!

This points to great successes in marketing, recruiting, student retention, an overall student interest in engineering as a career, and the persistence rates in these courses. It is anticipated this surge in student enrollment in pre-engineering courses will lead to an increase in pre-engineering graduates in the future.

While the success rates in these classes are very high (compared to national averages), still many students are not graduating from CWC in Pre-Engineering as they should. Anecdotally, it is believed that many Pre-Engineering majors leave CWC prior to graduation because of a lack in engineering science courses. But it isn't known for certain because it is difficult to track students after they leave CWC. There are many additional engineering science courses at the sophomore level that CWC could teach and therefore retain many of these students. These courses include Dynamics, Circuits, Thermodynamics, Fluid Mechanics, and Mechanics of Materials. Until CWC begins to offer more breadth of engineering science courses (which even similar-sized Wyoming community colleges offer on a regular basis) we can still expect to see slight enrollment increases, but nothing close to its full potential.

The problem with offering many more courses is the additional instructor(s) that would be needed to teach them and the costs associated with additional personnel. Perhaps adjunct instructors could be utilized more in the interim until solid student numbers deem it necessary to hire a full time Professor of Engineering (or a position split with Engineering/Computer science/Math). Based on the large increase in students enrolled in engineering program courses in the last five years, hopefully this won't be long.

Name of program: Pre Legal Studies

CIP Code (six digits): 22.0001
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-2016
Credential(s) awarded: AA

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

In order to successfully meet its mission the Pre Legal program endeavors to develop the "whole" person by providing the student with the necessary and requisite knowledge and giving the student a basic ability to understand and work in today and tomorrow's society. To this end the program strives to give the student a broad and basic appreciation, not only for the direct subject matter, but also for related areas including, but not limited to, law, sociology, political science, writing skills, reading, writing and oral communication skills, the humanities, technological literacy, self - directed learning, and critical thinking.

The role of the student as a citizen of the community is as important as their role as a legal professional. A successful student will be well prepared to operate in contemporary society. A pre legal studies Major will learn more than "legal concepts". This major will receive an education that is useful for many careers and for living and succeeding in the twenty-first century.

Additional Narrative:

The magnitude and changing complexity of legal activities dictate the need for personnel who have a broad - based educational experience. The program as presented includes General Education courses from the college curriculum, specialized core courses, essential interdisciplinary offerings and suggested pre legal studies requirements. Those students who plan a career in law should also plan to take graduate study.

Name of program: Pre-Health Professional (Pre-Physician, Pre-PT, Pre-Veterinary, Pre-Medicine, Pre-Pharm)

CIP Code (six digits): 51.1199, 51.9999
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-2016
Credential(s) awarded: AS

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Students seeking to pursue a professional degree in health science, such as medicine, chiropractic, physical therapy, veterinary medicine, dentistry, optometry or pharmacy, will find that the program for the Pre-Health Professional will fulfill the necessary requirements to transfer to the University of Wyoming or other four-year institutions of their choice.

Additional Narrative:

Changes were made to the Pre-Health Professional program during the 2014-2015 and 2015-2016 academic years. These changes included adding program options and reducing the number of credits. The latter was in response to a legislative request that community colleges reduce the number of credits in the majority of their programs to 60 credits. In addition,

college-wide changes were made to the general education requirements in the 2015-2016 academic year. These changes allowed us to revise this program in order to offer students more discipline-specific courses and generate a "2+2" articulation agreement with the University of Wyoming, where students would complete their AS in two years at CWC, and then finish their bachelor's degree in two years at UW.

The program enrollment rate has remained fairly steady over the past five (5) years. 54.86% of Pre-Health Professional students graduate with their AS. As an institution, we need to be better at tracking our students once they graduate. Key personnel at CWC and UW have signed off on "2+2" articulation agreements in the 17 highest demand programs, including Pre-Health.

A Learning Assessment Summary of the Pre-Health program was completed for accreditation by the Higher Learning Commission (HLC) in 2015. This document was used to develop much of the action plan for this program review. As an institution, we need to identify an assessment plan for program outcomes such as tracking exam/lab/assignment grades each time a program requirement course is offered to identify areas of the course curriculum that may need revision. We will examine if there is a particular topic that students are not doing well in that occurs in multiple courses. This data will support an action plan for improved program outcomes. Student retention numbers need to be evaluated and analyzed for trends (is there a consistent point in a course where students tend to drop – is it related to something in the course that can be improved?) Are multiple safety violations occurring across lab courses, and are the violations linked in a way that improvements can be made division-wide? Are the program outcomes consistent with other AS Pre-Health Degrees? If not, are there courses/broad topics that we need to include, or perhaps eliminate to keep our curriculum current and applicable? Assessment data should be available in the next program review cycle.

Eastern Wyoming College

Name of program: Computer Applications (CAPS)
CIP Code(s) (six digits): 52.0499
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Certificate

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The computer applications program has an enrollment of 50 students in AY15-16, which is an increase of 32% compared to last year. Only 8% (4) of students are Wyoming residents. The average FTE enrollment for the previous five years is 78.2.

The student/faculty ratio averages 8.6 for the previous five years.

Name of program: Communication (CO/M)

CIP Code(s) (six digits): 09.0101
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Associate of Arts

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The communication program had an enrollment of ten students in AY15-16 which equates to an enrollment growth of 43% in the last five years. Most of the students are non-residents of Wyoming. The average FTE enrollment for the previous five years is 67.5.

The student/faculty ratio averages 17.5 for previous five years.

Name of program: Criminal Justice includes: Law Enforcement Emphasis (CJLE,CJDL), Corrections Certificate(CJCC,CJCDL), Corrections Emphasis(CJCR), Criminal Justice(CMJT)

CIP Code(s) (six digits): 43.0102, 43.0113, 43.0103, 43.0107
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Associate of Arts, Associate of Applied Science, Certificate

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The criminal justice cluster had an enrollment of 50 students in AY15-16. Most of the students are from outside of Wyoming. The average FTE enrollment for the previous five years is 43.2.

The student to faculty ratio averages 8.3 to one for the previous five years.

Name of program: Economics (ECON)

CIP Code(s) (six digits): 45.0601
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Associate of Science

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The credit hour enrollment in the economics program was 18 in AY15-16. The average FTE enrollment for the previous five years was 11.1.

The student to faculty ratio averages 16.1 to 1 for previous five years.

Name of program: ESL/EFL Teaching Certificate Program (ESFL)
CIP Code(s) (six digits): 13.0201
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Certificate

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The ESL/EFL program has an enrollment of two students in AY15-16 with a credit hour enrollment of 67. The average FTE enrollment (EDUC, ITEC courses) for the previous five years is 30.9.

The student to faculty ratio for ESL/EFL program (EDUC, ITEC courses) averages seven to one for previous five years.

Name of program: Music Applied (MUSC), Music Education (MUSED)
CIP Code(s) (six digits): 50.0901,13.1312
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Associate of Arts

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The music cluster had an enrollment of three students in AY15-16, with a credit hour enrollment of 74. The average FTE enrollment for the previous five years is 30.3.

The student to faculty ratio averages 7.4 to 1 for previous five years.

Name of program: Pre-Professional includes: Pre-Dentistry(PDEN), Pre-Medicine(PMED), Pre-Veterinary Medicine(PVET), Pre-Allied Health(PAHL), Pre-Nursing(PNSG), Pre-Pharmacy(PHAR)
CIP Code(s) (six digits): 51.1101,51.1103,51.1102,51.1199,51.1104
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Associate of Science

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The pre-professional cluster had an enrollment of 99 students in AY15-16. It increased by 14% compared to the previous year. Most of the students reside outside of Wyoming.

Laramie County Community College

Name of program: Mass Media/Multimedia (Communication)
CIP Code(s): 09.0102, 09.0702
Date this report is presented to the WCCC: October 2016
Academic year review was done: Fall 2005, next scheduled for 2017-2018
Credential(s) awarded: AA – Mass Media, AA – Multimedia

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The purpose of the Mass Media/Multimedia Department is to train students to gather, process and disseminate information through a variety of channels for a culture reliant on access to ethically produced news and diverse opinion. Students studying mass media write, edit, photograph, design, and desktop publish. In the multimedia curriculum, students disseminate information through new media. Combining text, images, audio, video, interactivity, and social media for projects, students identify avenues to communicate, taking advantage of always-evolving new media. Students in these programs collaborate in a practical experience through the student media organization with the goal of developing the skills, knowledge and portfolio to be marketable in the workforce after exiting the two-year program. The department will instruct students in media literacy; the role of the press in free society; legal rights and responsibilities of media; cultural effects of media practices; delivery systems; and professional training for careers requiring media skills including critical thinking, research and interviewing, promotional writing, and visual and auditory communication.

Students who continue at an institution offering a four-year degree will be uniquely positioned with practical experience that will put them ahead of other students in that program as well as academically prepared to complete the degree in two years after transfer. According to the College Central Network database, the number of employers by major sought, that fall into this degree, are as follows: Communication -26; Journalism/Mass Media – 18; and Multimedia – 11. Clearly there is a significant demand for the skills this degree offers.

Program Competencies are the following: 1) Produce and critically evaluate works for print, broadcast, and online media audiences for accuracy, fairness, clarity, style and grammar, and numerical/statistical application. 2) Apply U.S. principles/ethics and laws of freedom of Speech. 3) Demonstrate understanding of concepts and theories for presentation of images and visual information. 4) Produce media presentations for print and digital dissemination using appropriate technologies.

Using industry methods for determining readership for the student media, the 1,000 circulated newspapers for each printed issue of Wingspan are seen by as many as 2,250 readers.

More than 380,000 page requests have been made of Wingspan Online so far in 2016, an average of 47,500 a month. Comparatively, the LCCC website logs more than 100,000 sessions a month. The academic calendar is the most often accessed at 10,000 sessions. The library home page logs 4,400 sessions a month. Wingspan Online web traffic statistics were tracked and provided by the LCCC IT department. LCCC website traffic statistics were provided by the LCCC web developer. On social media, Wingspan's Facebook post reach has peaked as high as 4,500 in February 2016. Post engagement (number of likes, comments and shares) in the first week of the Fall 2016 semester was 350.

Name of program: Music
CIP Code(s): 50.0901, 13.1312, 50.0903
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2014-2015
Credential(s) awarded: AA – Music; AA - Music, Instrumental Education; AA - Music, Instrumental Performance; AA - Music, Vocal Education; AA - Music, Vocal Performance

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
Basic Musicianship competencies are developed in the following activities that are part of courses in the degree program. *The acquisition and development of skills and basic understanding* of musical properties such as rhythm, melody, harmony, timbre, texture, and form. Students have opportunities to develop a comprehensive grasp of the interrelationships of these elements as they form a basis for listening, composing, and performing by responding to, interpreting, creating, analyzing, and evaluating music. *Access to and development of a repertory for study* that includes various cultures and historical periods in courses such as sight-singing, ear-training, harmony, keyboard harmony, composition, or music literature, or in studies combining concepts and skills in varying degrees of integration.

Performance competencies include the following performance based activities, such as ensemble and applied study. *Opportunities to study performance privately or in classes* throughout the two-year period. The studies are intended to develop the highest level of performance on the major instrument and also to develop keyboard competencies.

Essential experiences and goals include the following:

- The development of technical skills adequate to meet the needs of artistic self-expression
- Performance of a cross-section of music from the various styles represented in the complete repertory of the particular performance medium
- The ability to read at sight
- Growth in artistry, technical skills, collaborative competence, and knowledge of repertory through regular ensemble experiences.

Students participate in at least one chamber or large ensemble each semester throughout the two-year period.

Basic Analysis competencies are developed in courses like theory and music history. The theory sequence allows students to analyze the formal properties of music, while the study of music history places works in historical context and the greater historical perspective.

- Opportunities to develop *basic analytical knowledge* and skills including *an understanding of music in both its cultural and historical contexts.*
- Participation in a multidisciplinary setting or in courses with a music emphasis.
- Ability to place compositions into historical and stylistic perspective.

The annual FTE average over the last 3 years for this program was 112. The number of "participants" average over the last 3 years was 258 and the number of "concentrators" was 17.

Name of program: Religious Studies (a concentration of the History program)
CIP Code(s): 38.0201
Date this report is presented to the WCCC: October 2016
Academic year review was done: The History Program was reviewed in April 2014, and the program review included an assessment of Religious Studies course work. The Religious Studies Concentration was created in the next academic year, 2015 – 2016.
Credential(s) awarded: AA – History with Religious Studies Concentration

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The History faculty meet the needs of a variety of students, community members and service areas. In general, HIST 1211, 1221, and 1251 serve as the foundation of the History degree program but are also offered in fulfillment of the V requirement regarding completion of the Wyoming Constitution and United States Constitution statute. Because of the needs of the student body, several sections of these classes are offered each semester. In addition, for History students in particular, a variety of courses within the department are offered that present the students with a myriad of learning opportunities. These classes include HIST 1110 (Western Civilization I), HIST 1120 (Western Civilization II), HIST 1130/RELI 2110 (Introduction to the Old Testament), HIST 1135/RELI 2150 (New Testament Survey), HIST/RELI 2320 (History of Islam), HIST 1290 (History of the U.S. West), HIST 2020 (U.S. Military History), HIST 2225/RELI 2225 (History of Christianity), HIST 2290 (History of North American Indians), and HIST 2390 (Mexican Civilization. These courses give students the opportunity to delve into many different areas and explore topics that are not always available at the community college level. Several of these courses also meet the needs of students pursuing a Social Studies Education degree in History curriculum. The courses have brought community members onto campus who simply want to learn something new. The courses that are cross-listed as Religion courses meet the unique needs of Regis University students who are required to have two classes in Religious Studies. They also allow students to concentrate in Religious Studies and consider moving in

this direction as they plan on transferring to a four-year institution. Altogether, these courses meet the needs of a variety of the student body at LCCC.

In specific regards to the History degree with a Religious Studies concentration, students receive a broad insight into religious movements across time. In today's world, understanding the spectrum of different religious beliefs is especially valuable considering the global implications of religious viewpoints. Students gain fundamental cultural literacy that can then be applied to the outside world and within a career field. A multicultural workplace and a global economy makes the study of other cultures and religious belief systems indispensable. With a background in Religious Studies, students can move into the areas of education, law, the foreign service, the military, museums, non-profits, and more.

The annual FTE average over the last 3 years for the history program was 108.08. The number of "participants" average over the last 3 years was 771 and the number of "declared majors" average was 40.03.

Name of program: General Studies

CIP Code(s): 51.0001, 50.0501, 24.0199, 45.0101
Date this report is presented to the WCCC: October 2016
Academic year review was done: Interdisciplinary Liberal Arts, Theatre was reviewed in Fall 2008. Health Sciences and Social Sciences were reviewed in Fall 2010. Interdisciplinary Liberal Arts substantively revised for 2015-16 and has not yet been reviewed.
Credential(s) awarded: AS - Health Sciences; AA - Interdisciplinary Liberal Arts, Theatre; AA - Interdisciplinary Liberal Arts; AA - Social Sciences

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The AS in Health Sciences provides students a health science generalist curriculum that leads to a credential with foundational support for a variety of health science career pathways, either at the Associate or Baccalaureate level, including nursing, radiography, sonography, bio-medical, and other healthcare related fields. The annual FTE average over the last 3 years for the history program was 101.15. The number of "participants" average over the last 3 years was 886.33 and the number of "declared majors" average was 983.66.

The Interdisciplinary Liberal Arts (ILA) AA degree currently houses the theater degree identified as a concentration. Students in the theatre concentration are introduced to the disciplines within theatre arts through practical, production based work. Students complete comprehensive foundation theater and humanities courses, preparing them for transfer to a university theatre program or a career in theatre arts. The annual FTE average over the last 3 years for the history program was 101.06. The number of "participants" average over the last 3 years was 588.33 and the number of "declared majors" average was 859.33.

The AA in Social Science provides students an interdisciplinary plan that leads to a credential with foundational support for a variety of fields including areas of economic, political, familial, psychological, geographical, historical or social structures. This makes the stakeholder group quite broad, and prepares students to transfer for baccalaureate completion, and then move into various career positions. The annual FTE average over the last 3 years for the history program was 45. The number of "participants" average over the last 3 years was 457.33 and the number of "declared majors" average was 45.

Name of program: Computer Science (including all CIS options)
CIP Code(s): 11.0201, 11.1003, 11.0501, 47.0104, 11.0101, 11.0701, 52.0411, 11.0203, 11.0801, 11.9999
Date this report is presented to the WCCC: October 2016
Academic year review was done: Computer Science: 15-16; CIS: 16-17 (currently being done)
Credential(s) awarded: AS – Computer Science; AS Computer Science/Business; AAS - Computer Information Systems; CD - Cybersecurity Fundamentals; CD - Cisco Certified Networking Associate (CCNA); CD - CIS Cybersecurity Professional; CD - CIS, Computer Technician (A+); CD - Computer Support Specialist; CD - CIS Microsoft Systems and Networks; CD - CIS Web Design; CD - CIS Office Applications Specialist

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Computer Science program of study is designed for students who want to transfer to a 4-year institution and complete a bachelor's degree. Computer Science is a growing field in Wyoming, and most graduates of the Computer Science program at the University of Wyoming (UW) find employment in the field. We offer two A.S degrees: Computer Science and Computer Science/Business. The first is totally Computer Science, and the second is a degree that combines Computer Science and Business for those that would like to work in a corporate environment in their Information Technology (I.T.) department.

The Computer Information Systems (CIS) program offers students an A.A.S degree and/or many different Credit Diplomas. These programs are designed for students to gain valuable industry skills while pursuing a basic understanding of I.T. and related computer industries. In the program, students may develop awareness of one or more the following topics: programming, networking, web development, office applications, computer technician, cyber security, and computer support (help desk).

As the program has grown, graduates have found employment locally with companies such as Microsoft, Green House Data, EchoStar, Sierra Trading Post, The State of Wyoming, and many other local I.T. companies/departments. Many of these employers have told us that we need to produce more graduates, as jobs are plentiful. According to O*NET Online, the job market for CIS graduates is growing in Wyoming, and projected to grow 10% above the national average.

Additional Narrative:

We have an articulation agreement with UW for our A.S. in Computer Science, and are close to an articulation agreement with UW on our Computer Science/Business degree. We have an advisory committee that has helped us with the CIS programs, and we are going to expand the committee to include Computer Science stakeholders, including K-12 and UW personnel. They have helped us fine tune our offerings to better prepare our students for careers in the CIS field, particularly in the "soft-skills" areas such as teamwork and communication.

Name of program: Process Technology

CIP Code(s): 41.0303
Date this report is presented to the WCCC: October 2016
Academic year review was done: Program created in 2013. APR not yet completed.
Credential(s) awarded: Credit Diploma – Process Technology

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Process Technology program of study is designed for students who want to gain valuable industry skills while pursuing a basic understanding of petrochemical and related industries. Laramie County Community College (LCCC) was contacted in April 2013 by the Wyoming Refining Safety Alliance to assist in creating a training program that focused on safety in the career field. Governor Mead had expressed concerns over the injury rate of workers and asked for assistance from the community colleges. Utilizing a curriculum designed by the Center for the Advancement of Process Technology, an outline was developed. A local advisory committee has been formed that includes representatives from Dyno-Nobel, Holly Frontier and Wyoming OSHA to ensure that the curriculum meets the needs of our regional industry. This local advisory committee continues to meet once a semester to ensure that LCCC continues to meet needs of the workforce. Western Wyoming Community College and Casper College worked in conjunction with LCCC to ensure that the training offered by the institutions would meet the needs for all of Wyoming.

In the program, students develop awareness of the work environment and systems used as well as industrial maintenance knowledge and skills. Process Technician/Operator specific industry topics are combined to provide the groundwork for direct industry employment. The advisory committee stressed the importance of getting technicians in the field. In order to meet this need, LCCC created the Process Technology Credit Diploma as an accelerated program designed to be completed in one, 16-week semester.

As the program has grown, graduates have found employment locally with companies such as Dyno-Nobel, Holly Frontier, Cheyenne Board of Public Utilities and Budweiser while others have found employment as far away as Oklahoma. According to O*Net, the need for Petroleum Pump System Operators, Refinery Operators, and Gaugers remains at 40 technicians per year between now and 2024 in Wyoming.

The annual FTE average over the last 3 years for the history program was 17.85. The number of "participants" average over the last 3 years was 30.03 and the number of "declared majors" average was 34.

Name of program: Renewable Energy Tech. (Wind Energy)
CIP Code(s): 15.0503
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-1016
Credential(s) awarded: AAS – Wind Energy

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Associate of Applied Science degree in Wind Energy is designed for students who want to gain valuable industry skills while pursuing a basic academic foundation. General education requirements, industrial maintenance knowledge and skills, and specific wind power industry topics are combined to provide the groundwork for direct industry employment.

Standards established by the American Wind Energy Association (AWEA), guide safety, equipment and behavior in the wind energy industry. AWEA ensures that the process for revision of standards are timely and in accordance with the American National Standards Institute (ANSI) Essential Requirements procedures, and publishes the final product of the consensus process. The LCCC Wind Energy program is a member of AWEA and ensures that our curriculum aligns to the national standard. This alignment allows technicians being trained at LCCC to meet industry needs across the country. A local advisory committee is consulted once a semester to ensure that the LCCC program is meeting the needs for the regional workforce.

According to O*Net, the need for wind technicians is double that of the current workforce for Wyoming between now and 2024. In the case of wind energy, LCCC is truly training a national workforce as students attend the program from all corners of the United States. The national trend indicates a 108% increase in needed personnel between now and 2024.

The annual FTE average over the last 3 years for the history program was 15. The number of "participants" average over the last 3 years was 36.33 and the number of "declared majors" average was 53.3.

Northwest College

Name of program: Communication
CIP Code(s): 09.0101
Date this report is presented to the WCCC: October 2016

Academic year review was done: 2015-16
Credential(s) awarded: AA

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The communication area offers a variety of coursework for students who plan to transfer to a four-year institution or better understand their communication patterns. Students planning to receive a bachelor of arts degree in this area need to review carefully the degree requirements of the college or university to which they plan to transfer. Speech communication courses are available to students under any degree or certificate plan as either fulfilling humanities requirements or as electives.

This program allows students to explore the field of communication as the basis for their associate of arts degree. The core provides students the basic coursework in the field while allowing them the flexibility to tailor their program to their individual needs. Students must successfully complete core courses with a "C-" or better to meet program requirements. Students who are planning to transfer to a four-year program may need to have additional hours beyond the program requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

Northwest has a nationally recognized forensics squad which represents the college at tournaments throughout the western United States. Forensics is a form of rhetorical scholarship which involves various dimensions: debate, public address, and the interpretation of literature. Forensics serves as a curricular and co-curricular laboratory for improving students' abilities in research, analysis, and oral communication. Typically, forensics activities are conducted in a competitive environment to motivate students and accelerate the learning process. In addition to the competitive speaking program, the Northwest forensics squad performs on campus as well as in the community and works with high school programs throughout the state.

Name of program: Journalism (Print and Web/Broadcasting emphases; Journalism Endorsement for Public School Teachers)
CIP Code(s): 09.0401, 09.0402
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-16
Credential(s) awarded: AA; Certificate

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Journalism Program at Northwest College offers introductory courses for students who plan to transfer to a four-year institution in pursuit of a bachelor's degree. Students may choose from print or Web/ broadcast programs. Print-related courses prepare students for

careers in newspapers and magazines, including reporting and writing, photojournalism, editing, page layout and design.

This program allows students to explore journalistic print media for their associate of arts degree. The core provides students the basic coursework in the field while allowing them the flexibility to tailor their program to their individual needs. Students must successfully complete core courses with a "C-" or better to meet program requirements. Students planning to transfer to a four-year program may need to have additional hours beyond the program requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

This program allows students to explore journalistic Web/broadcasting for their associate of arts degree. The core provides students the basic coursework in the field while allowing them the flexibility to tailor their program to their individual needs. Students must successfully complete core courses with a "C-" or better to meet program requirements. Students planning to transfer to a four-year program may need to have additional hours beyond the program requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

Name of program: Film, Radio, and Television (Film Production, Radio Production, Television Production, Screenwriting)
CIP Code(s): 50.0602 (Film), 10.0202 (Radio), 10.0202 (Television), 50.0504 (Screenwriting)
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-16
Credential(s) awarded: AA (Film, Screenwriting), AAS (Radio, Television), Certificate (Radio)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Film, Radio, and Television Program provides students with hands-on, skill-based instruction and practice coupled with the liberal arts and aesthetic components necessary for a well-rounded education and future career in film, radio, or television. The program offers multiple degree, certificate, and track options that prepare students for transfer and the workplace. Students interested in transfer should enroll in one of the Associate of Arts degree options. Students interested in heading straight to work should enroll in the Associate of Applied Science or Certificate options.

Name of program: Help Desk
CIP Code(s): 11.0301
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-16
Credential(s) awarded: Certificate

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Help Desk certificate is a Business program that prepares students for careers in the computer information systems field.

Name of program: Criminal Justice
CIP Code(s) (six digits): 43.0103
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-16
Credential(s) awarded: AA

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Criminal Justice at Northwest College offers students an overview of the American criminal justice system and a survey of the theories, procedures, laws, and elements that guide our justice system. Students acquire a general knowledge of the origins and methods of the police, courts, and correctional systems in America, as well as their design structure and operation. An Associate of Arts degree in Criminal Justice provides a solid foundation of coursework for students interested in pursuing a baccalaureate degree in criminal justice studies, those wanting to become a practitioner within the field, or professionals already working within the field who need educational upgrading. Students must successfully complete the core courses with a "C-" or better to meet program requirements. Students planning to transfer to a four-year program may need to have additional hours beyond the program requirements of Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

Name of program: General Studies
CIP Code(s): 24.0102
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-16
Credential(s) awarded: AA, AS

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Individuals who meet all requirements of the AA/AS degree will be awarded the degree with the designation of General Studies. Students must complete a minimum of 60 credit hours with a distribution of courses in government, English, mathematics, lab science, humanities, visual and performing arts, social science, comparative cultural awareness, and wellness.

Name of program: Liberal Arts

CIP Code(s): 24.0101
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-16
Credential(s) awarded: AA

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

This course of study is identical to the AA in General Studies, except the Comparative Cultural Awareness category is increased to 11 credits. Eight credits must be taken in a single foreign language; three credits must be taken in a non-foreign language course from the approved list of Comparative Cultural Awareness courses. The non-foreign language course only may be double-counted to meet another appropriate degree requirement. This degree option becomes particularly important as many four-year colleges and universities have instituted foreign language requirements for graduation with a bachelor of arts degree.

Name of program: Music (Music; Music Technology)

CIP Code(s): 50.0901 (Music), 50.9999 (Music Technology)
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-16
Credential(s) awarded: AA (Music), AAS (Music Technology)

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Northwest College music curriculum offers students the courses and activities needed to begin a career in music. These include the study of music theory and history, the development of personal artistry, the use of music technology, group performance and those courses specific to careers in teaching, performance, or audio production. Students must earn a "C-" or better in core courses to fulfill the program requirements. With any discipline, students should consult the catalog of their transfer institution and work with their advisor in planning an appropriate course of study.

All courses in the music department are open to students regardless of their major area of study. Students from across campus are encouraged to participate in the many performing ensembles offered by the department.

Students declaring themselves as music majors must fulfill the following requirements:
- For the AA degree, one major performing ensemble is required each semester enrolled as a music major. These ensembles include: College Band, College Choir, Orchestra or Guitar Ensemble.
- Enroll in at least one credit of applied music lessons each semester.

- o Each credit hour of lessons requires a one-half hour private lesson per week in addition to individual practice. Students are responsible for meeting with the instructor during the first week of classes to schedule the lesson.
- Enroll in MUSC 0200 Convocation each semester
- Students must take the class piano sequence until MUSC 2395 (piano proficiency exam) is passed.
- Successfully complete a jury examination at the end of each semester in applied music study.

The Associate of Applied Science degree in Music Technology prepares students for technical, technological, and business careers in the music industry. Meant to be a terminal degree, the associate of applied science provides a solid foundation in production techniques in music recording, live sound reinforcement, sound for film, and computer-based music education tools.

Northwest College is a fully accredited institutional member of the National Association of Schools of Music (NASM)

Name of program: Pre-Professional Sciences (Pre-Medicine, Pre-Veterinary, Pre-Dentistry, Pre-Occupational Therapy, Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy)

CIP Code(s): 51.1103, 51.1199
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-16
Credential(s) awarded: AS

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Pre-Professional Sciences

This program includes areas in Pre-Dentistry, Pre-Medicine, and Pre-Veterinary Medicine. The courses required in this program parallel those found at four-year institutions and should transfer without difficulty. Students must successfully complete core courses with a "C-" or better to meet program requirements. Students planning to transfer to a four-year program may need to have additional hours beyond the program requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

Pre-Occupational Therapy, Pre-Optometry, Pre-Pharmacy, Pre-Physical Therapy

The courses required for this program parallel those found at four-year institutions and should transfer without difficulty. Students must successfully complete core courses with a "C-" or better to meet program requirements. Students planning to transfer to a four-year program may need to have additional hours beyond the program

requirements at Northwest College in order to transfer in as a junior. These students should consult with their advisor and the appropriate four-year college catalog.

Name of program: Surveying Technician

CIP Code(s): 14.3801
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2015-16
Credential(s) awarded: Certificate

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

This certificate is designed to prepare students for an entry-level position with a surveying or engineering firm. Additionally, the field instructors in this program are practicing surveyors, so professional contact is made with potential employers.

This program was discontinued in the Fall of 2016.

Northern Wyoming Community College District

Name of program: Computer Information Systems, Computer Networking Administration, Computer Web Design

CIP Code(s): 11.0401, 11.0101, 11.1004
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2009-2010
Credential(s) awarded: Associate of Science, Associate of Applied Science

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Computer Information System Program Review, conducted by NWCCD, included the following areas of study: information management, computer programming, computer networking, and web design. This foundation, along with a core of general education courses, will prepare students for transfer to a four-year institution or to enter the work world.

The review encompassed the following three degrees programs: the Computer Information Systems AS Program, the Computer Networking Administration AAS Program, and the Computer Web Design AAS Program. Each program's role is captured below.

- The Computer Information Systems AS Program is designed for students interested in careers such as Information Systems or Information Technology Management, business

application developer or manager, operating research analyst, or computer hardware/software support management.

- The Computer Networking Administration AAS Program prepares students for roles in various fields of information technology. Successful completion of this program prepares students for recognized certifications such as the Cisco Certified Network Associate, the CompTIA A+ and the Microsoft MCSA as well as TestOut Pro. Students also develop speaking and writing skills, allowing them to more effectively communicate with colleagues and employers.

- The Computer Web Design program provides students with cutting edge skills to create user-centered, effective, and accessible Web sites. Topics include Web design, Web programming, Web graphics, data driven Web sites, and Internet business. The program also has a strong core of information system and business topics needed to be an Internet entrepreneur or to design, create, and maintain a website.

Name of program: Criminal Justice, Corrections, Crime Scene Investigation, Law Enforcement, Security, Victim Advocacy

CIP Code(s): 43.0104, 43.0102, 43.0114, 43.0120
Date this report is presented to the WCCC: October 2016
Academic year review was done: Under review in 2016.
Credential(s) awarded: Associate of Arts, Associate of Science, Associate of Applied Science, Certificate of Completion

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
At NWCCD the students are exposed to all aspects of the criminal justice system. Programs of study include:
- Criminal Justice AA
- Criminal Justice AS
- Criminal Justice: Correctional Services AAS
- Criminal Justice: Law Enforcement AAS
- Criminal Justice: Security AAS
- Criminal Justice: Victim Advocacy AAS
- Criminal Justice: Correctional Services Certificate
- Criminal Justice: Crime Scene Investigation Certificate
- Criminal Justice: Law Enforcement Certificate
- Criminal Justice: Security Certificate
- Criminal Justice: Victim Advocacy Certificate

The transferable degree and associated certificate programs, assures the successful student marketable skills in the fields of law enforcement; corrections, both adult and juvenile; victimology, both adult and juvenile; and security.

Name of program: General Studies

CIP Code(s): 24.0102
Date this report is presented to the WCCC: October 2016
Academic year review was done: Under review in 2016.
Credential(s) awarded: Associate of Arts, Associate of Science

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The General Studies Associate of Art and Associate of Science Programs are designed for students who wish to gain basic knowledge and explore curriculum choices. The AA program includes 30 credits of General Education requirements, a foreign language, plus 22 credits of general electives. The AS program includes 30 credits of General Education requirements, an additional lab science, plus 26 credits of general electives. General Studies allows students to choose classes from a variety of subjects and explore different areas of study.

Name of program: Music, Music Technology

CIP Code(s): 50.0901
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2008-2009
Credential(s) awarded: Associate of Fine Arts, Certificate of Completion

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Music AFA Program provides students with a fundamental training in performance, music theory, and music history. This curriculum may serve as the focus of a two-year associate degree, or may be transferred to a four-year baccalaureate program. Additional purposes of the Music Program are to provide learning opportunities in music for all college students through credit courses, and to offer cultural enrichment to the local community through the presentation of public performances.

The Music Technology Certificate of Completion is designed to provide students with relevant theoretical and practical knowledge of the latest advances in Music Technology while fostering the development of musical creativity and professional skills as used throughout the industry. The program is suited for preparing students to become music teachers, performing musicians, composers, sound engineers, and multimedia designers. It is also appropriate for hobbyists interested in using technology to create and record music. Emphasis is placed on exposure to a wide range of techniques and applications, allowing students to acquire versatility and a competitive edge within the field of professional music.

Name of program: Pre-Professional

CIP Code(s): 30.9999
Date this report is presented to the WCCC: October 2016
Academic year review was done: Under review in 2016.
Credential(s) awarded: Associate of Science

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Pre-Professional AS Program is the suggested course of study for individuals who would like to pursue a career in health-care (Physician, Veterinarian, Optometrist, Pharmacist, Physical Therapist, etc.) and would like to prepare themselves with a broad scientific background.

The program is designed to provide students with instruction in biological and physical sciences and to prepare students for upper-level courses in the specialty of choice. Professional programs in these areas usually require a Bachelor's degree prior to entry.

Name of program: Industrial Technology

CIP Code(s): 48.9999
Date this report is presented to the WCCC: October 2016
Academic year review was done: 2014-2015
Credential(s) awarded: Associate of Applied Science

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Industrial Technology AAS Program was established to allow students to select a customized program of study from among the several classes offered in technical education. This program has been recently modified (Academic Year 2014-2015) to create a more industrial focus. The old program (termed General Technology) provided for electives from virtually any college program and thus was more closely related to a General Studies program. Industrial Technology requires students to select course work from programs more closely related to industry. This program was modified to provide students the option of an advanced writing course and to accommodate the laddering of certificates earned in various apprenticeship programs. The advanced writing option was changed in response to specific requests from industry partners.

The Industrial Technology Program is for students who would like to receive a broad experience in technical education rather than pursue a single course of study. It is also available for students who complete several approved apprenticeship programs that they wish to ladder together or combine with general education requirements and earn an AAS degree. Finally, it was developed in response to industry partners who requested a degree program be developed allowing students to receive a general technical education encompassing several technology programs.

Western Wyoming Community College

Name of program: Music

CIP Code(s): 50.0901
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Music Emphasis AA Degree, Music Instrumental AA Degree

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

Purpose of music department program at WWCC:

•   Prepare each student with a solid foundation in music through course work that includes written theory, aural theory, class piano, music history, world music, sound reinforcement, recording with Pro Tools, applied, and ensembles.

•   Provide each student a wide range of opportunities to learn about music and grow as a performer. Many performance experiences are provided for solo and ensemble performance on and off campus. Our numbers are small enough to allow each student the opportunity to perform.

•   Meet the musical needs and interests of the students and community through academic degree programs, performance mediums, and enrichment opportunities

Name of program: Computer Science

CIP Code(s): 11.0401, 11.0801
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Computer Information Systems AS Degree, Web Site Development Certificate and Digital Design Technologies Certificate

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:

The Computer Information Systems two-year program and certificate are designed to meet the needs of students who plan a career in Computer Science, Web Development and/or to increase their knowledge and experience in the Information Technology field. The program purpose is to influence the factors used to attract, retain and matriculate a significant number of diverse Computer Science, and Web Development students with the skills and training that employers want to hire, and who can continue to grow and adapt in the global market.

What is unique about this program is that we offer a balance between education and experience through real-world projects and real-world experience. The faculty present unique backgrounds and experiences in technology, web development, e-business, and digital design. The department partners with businesses and individuals in the community to create internship experiences. The projects designed by students are actually used by real businesses and groups within the communities that we work. Coursework focuses on the latest trends in the field of computer science to give students the most current knowledge for jobs in today's businesses.

Name of program: ESL

CIP Code(s): 24.0101
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: English as a Second Language Certificate

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
Non-credit and credit English language classes are provided for non-English speaking individuals or individuals with limited English ability. Oral and written assessments are used for placement and limited scholarships are available for credit students. The immigrant, grant funded, ESL program tracks six (6) levels of ESL. The BEST+ Test documents oral language skill improvement from one level to the next. There are federally negotiated percentages of how many students will move from one level to the next. In the context of the grant funded program, there are two measures for success; an increase in the educational functioning level of the individual and the percent of students at a particular intake level that move to the next level.

Name of program: Criminal Justice

CIP Code(s): 43.0103
Date this report is presented to the WCCC: October 2016
Academic year review was done: 15-16
Credential(s) awarded: Criminal Justice Emphasis AA Degree, Law Enforcement AAS Degree

Program's role and alignment with student, employer, service area, and/or State of Wyoming needs:
The Criminal Justice program currently centers around two degree programs. The A.A. program with emphasis in Criminal Justice is intended for those students who will transfer to a four-year school and who will be seeking careers in Criminal Justice areas, such as law, law enforcement, and or corrections. This program is also beneficial for students who will not move on to a four year institution and seek employment after the two year degree. The suggested program consists of degree and transfer requirements in addition to an emphasis in the social and behavioral sciences and core courses in Criminal Justice.

The second program, the A.A.S. program in Law Enforcement is intended for those students who intend to go directly to the field of law enforcement after the two year degree or those who are already working in the field and need to obtain a two year degree to be eligible for a promotion. The program includes general requirements and courses that are specific to the field of law enforcement.

Both programs were re-structured in 1997 upon the advice of the advisory committee composed of regional Criminal Justice Professionals from Sweetwater County along with surrounding counties. This advisory council remains in place today and continues to meet on a bi-annual basis.

The original goal of the program was to become a community college substitute for the state funded academy, where all individuals must go and pass all of the classes in order to become a certified peace officer. The political atmosphere at the academy is still too difficult to even consider this possibility anymore.