

**Career/Technical Education (CTE) and Science, Technology, Engineering, and Mathematics (STEM)
Career Clusters by Occupational Projections 2012 to 2022, Mean Annual Wages in 2013, and
Wyoming's New-hires 2013/14.**

Career Cluster	Area	Number of Occupational Titles in Cluster	Average Annual Openings Growth (3)	Growth Rate Relative to Base Year Employment	Average Annual Wage in 2013 (4)	Average Annual New-Hires (5)	Percent of Employers Satisfied with the New-Hire's Skill
ALL OCCUPATIONS							
Total	Wyoming	517	3,666	1.2	\$43,770	110,104	39.2
	Border States	800	115,391	1.8	\$43,563		
	United States	818	1,562,790	1.1	\$46,440		
CTE (1)							
Total All Clusters	Wyoming	508	3,268	1.2	\$44,109	95,113	39.3
	Border States	705	104,340	1.8	\$44,188		
	United States	720	1,386,650	1.0	\$47,828		
Agriculture, Food and Natural Resource Cluster	Wyoming	59	368	1.1	\$39,107	12,164	38.7
	Border States	74	10,065	1.5	\$35,128		
	United States	74	104,350	0.7	\$38,134		
Architecture and Construction Cluster	Wyoming	66	561	1.4	\$48,754	15,223	40.7
	Border States	92	12,637	2.5	\$48,258		
	United States	94	174,500	1.7	\$53,898		
Arts, Audio/Video Technology and Communications Cluster	Wyoming	29	56	1.0	\$59,881	832	47.8
	Border States	53	1,696	1.0	\$58,224		
	United States	55	17,870	0.4	\$68,409		
Business, Management and Administration Cluster	Wyoming	74	515	1.1	\$53,156	8,745	49.7
	Border States	82	22,894	1.8	\$53,507		
	United States	82	264,680	0.9	\$59,793		
Education and Training Cluster	Wyoming	42	217	1.3	\$48,358	2,485	57.8
	Border States	50	6,502	1.7	\$45,655		
	United States	50	105,460	1.2	\$52,455		
Finance Cluster	Wyoming	18	72	1.0	\$53,222	1,426	46.5
	Border States	22	4,274	1.6	\$59,563		
	United States	22	53,490	0.9	\$67,338		
Government and Public Administration Cluster	Wyoming	20	154	1.3	\$82,716	1,708	48
	Border States	22	5,118	1.9	\$87,259		
	United States	22	63,070	1.1	\$98,919		
Health Science Cluster	Wyoming	91	610	1.7	\$49,986	7,504	49.6
	Border States	108	21,263	2.3	\$53,275		
	United States	109	423,910	1.9	\$56,971		
Hospitality and Tourism Cluster	Wyoming	25	332	1.1	\$26,244	20,668	29.1
	Border States	30	11,313	1.8	\$26,133		
	United States	30	117,420	0.8	\$28,540		
Human Service Cluster	Wyoming	42	177	1.0	\$49,058	3,060	47.1
	Border States	62	6,045	1.6	\$53,056		
	United States	64	108,580	1.1	\$59,773		
Information Technology Cluster	Wyoming	14	56	1.7	\$63,893	425	47.4
	Border States	18	5,120	2.6	\$79,922		
	United States	18	65,870	1.5	\$86,353		
Law, Public Safety, Corrections and Security Cluster	Wyoming	25	85	1.0	\$47,982	1,699	47
	Border States	35	3,074	1.6	\$55,237		
	United States	36	44,390	0.9	\$59,065		
Manufacturing Career Cluster	Wyoming	69	311	1.4	\$47,085	8,378	41.8
	Border States	113	7,394	1.8	\$42,881		
	United States	116	63,780	0.6	\$42,035		
Marketing Sales and Service Cluster	Wyoming	29	322	1.0	\$34,090	14,094	37
	Border States	38	13,056	1.5	\$39,080		
	United States	38	138,270	0.7	\$40,936		
Science, Technology, Engineering and Mathematics Cluster	Wyoming	50	128	1.7	\$77,003	1,128	43.5
	Border States	76	6,926	2.6	\$81,115		
	United States	78	86,850	1.5	\$84,905		
Transportation, Distribution, and Logistics Cluster	Wyoming	36	305	1.0	\$48,387	13,286	39.4
	Border States	57	8,269	1.7	\$43,573		
	United States	59	105,010	0.9	\$48,198		

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STEM (2)							
Total All Clusters	Wyoming	91	292	1.2	\$61,396	3,769	42.1
	Border States	118	13,559	2.0	\$69,896		
	United States	122	144,150	0.9	\$75,494		
Chemistry	Wyoming	12	16	1.0	\$73,573	84	47.7
	Border States	12	474	1.7	\$87,247		
	United States	12	3,960	0.5	\$96,135		
Computer Science	Wyoming	18	74	1.4	\$67,856	542	48.8
	Border States	22	6,783	2.3	\$79,531		
	United States	22	80,540	1.3	\$84,949		
Engineering	Wyoming	35	113	1.3	\$68,185	1,460	46.5
	Border States	46	5,591	2.3	\$75,338		
	United States	47	62,210	1.1	\$80,403		
Environmental Science	Wyoming	7	36	1.2	\$81,140	229	50.7
	Border States	7	872	1.8	\$96,026		
	United States	7	9,750	0.8	\$106,474		
Geosciences	Wyoming	7	8	1.1	\$90,435	28	55.5
	Border States	7	344	2.1	\$109,331		
	United States	7	3,270	0.9	\$122,914		
Life Sciences	Wyoming	36	90	1.1	\$47,455	1,642	33.8
	Border States	47	2,775	1.6	\$53,773		
	United States	48	19,960	0.5	\$62,658		
Mathematics	Wyoming	7	7	1.4	\$75,402	55	15.9
	Border States	11	394	2.0	\$78,677		
	United States	12	7,480	1.3	\$86,248		
Physics/Astronomy	Wyoming	12	16	1.5	\$83,538	64	63
	Border States	14	803	2.4	\$101,358		
	United States	15	11,910	1.4	\$106,697		
NO GROUP ASSIGNMENT							
No Group Assignment	Wyoming	53	318	1.4	\$35,968	9,296	37.3
	Border States	90	8,691	1.9	\$34,486		
	United States	92	167,460	1.4	\$36,697		

(1) DTI Associates, Inc under contract no. ED-04-CO-0121/0001 with U.S. Department of Education, OVAE Author: Richard Dempsey; reviewer: Don Hilber, DTI. <http://www.careertech.org/crosswalks> Table 6

(2) Occupational Information Network - O*NET <http://www.onetonline.org/find/stem/?t=0>

(3) Projections Central Employment and Training Administration, 2012 to 2022 Occupational Projections for All States. <https://www.projectionscentral.com/Home/Index>

(4) Bureau of Labor Statistics, Occupational Employment Statistics 2013. <http://www.bls.gov/oes/>

(5) Research & Planning, Wyoming Department of Workforce Services. Survey of New-Hires in Wyoming 2013q3-2014q2. <http://doe.state.wy.us/lmi/newhires.htm>