

Number of Awards Conferred by institution, degree type and classification of instructional program (CIP) in selected standard occupational classification (SOC) clusters

SOC Occupation Cluster	Institution	Degree Type	CIP Description	2015-16	2016-17	2017-18	2018-19	2019-20	5-year average	DETR 2018-20 annual job openings (projections)	5yr avg. graduate productivity compared to estimated annual job openings* as a percentatge
01 Civil Engineers/Engineering Technicians	CSN	Associates	14.0801) Civil Engineering, General	21	14	6	8	2			
		Certificate of Achievement	46.0415) Building Construction Technology 14.0803) Structural Engineering			1	1	1			
	CSN Total			21	14	7	10	2			
	TMCC	Associates	14.0801) Civil Engineering, General 46.0415) Building Construction Technology	5	1	7	3	5			
		Skills Certificate	46.0415) Building Construction Technology		3	7	11	5			
		TMCC Total			5	6	14	14	10		
	UNLV	Bachelors	14.0801) Civil Engineering, General	23	30	29	28	30			
		Doctoral	14.0801) Civil Engineering, General	7	5	7	3	8			
		Masters	14.0801) Civil Engineering, General	12	14	11	25	14			
			14.0804) Transportation And Highway Engineering 14.3301) Construction Engineering			3	1	1			
	UNLV Total			42	49	50	57	53			
	UNR	Bachelors	14.0801) Civil Engineering, General	49	59	66	74	92			
		Doctoral	14.0801) Civil Engineering, General	11	8	7	10	9			
		Masters	14.0801) Civil Engineering, General	24	24	21	13	19			
UNR Total			84	91	94	97	120				
WNC	Associates	46.0415) Building Construction Technology			1	4					
WNC Total					1	4					
01 Civil Engineers/Engineering Technicians Total				152	160	166	182	185	169	317	53.3%
02 Electrical and Electronics Engineering Technicians	CSN	Associates	15.0303) Electrical, Electronic And Communications Engineering Technology/Technician	19	17	9	5	3			
		Certificate of Achievement	15.0305) Telecommunications Technology/Technician		1		1				
			15.0303) Electrical, Electronic And Communications Engineering Technology/Technician	2	1	3		1			
			15.0305) Telecommunications Technology/Technician		1		1				
	CSN Total			21	20	12	7	4			
	GBC	Associates	15.0303) Electrical, Electronic And Communications Engineering Technology/Technician	36	27	31	31	44			
	GBC Total			36	27	31	31	44			
NSC	Bachelors	15.0303) Electrical, Electronic And Communications Engineering Technology/Technician			3		1				
		15.1201) Computer Engineering Technology/Technician			2	5	7				
NSC Total					5	5	8				
02 Electrical and Electronics Engineering Technicians Total				57	47	48	43	56	50	248	20.2%
03 Electrical Engineers	UNLV	Bachelors	14.1001) Electrical And Electronics Engineering	26	32	31	28	39			
		Doctoral	14.1001) Electrical And Electronics Engineering	6	2	2	3	5			
		Masters	14.1001) Electrical And Electronics Engineering	9	12	11	9	2			
	UNLV Total			41	46	44	40	46			
	UNR	Bachelors	14.1001) Electrical And Electronics Engineering	36	45	46	43	44			
		Doctoral	14.1001) Electrical And Electronics Engineering	1	2	2	4	4			
		Masters	14.1001) Electrical And Electronics Engineering	2	4	7	1				
UNR Total			38	50	55	48	48				
03 Electrical Engineers Total				79	96	99	88	94	91	190	48.0%
04 Heating, Air Conditioning, and Refrigeration Mechanics and Installers	CSN	Associates	47.0201) Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	20	24	16	12	18			
		Certificate of Achievement	47.0201) Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	6	10	7	7	4			
	CSN Total			26	34	23	19	22			
	TMCC	Associates	47.0201) Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	5	2	4	5	6			
		Certificate of Achievement	47.0201) Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	4	2	5	11	4			
		Skills Certificate	15.0501) Heating, Ventilation, Air Conditioning And Refrigeration Engineering Technology/Technician	13	16	13	20	20			
			47.0201) Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician		8			1			
	TMCC Total			22	28	22	36	31			
04 Heating, Air Conditioning, and Refrigeration Mechanics and Installers Total				48	62	45	55	53	53	278	18.9%

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05 Industrial Engineering Technicians	CSN	Associates	15.0612) Industrial Technology/Technician	1	2	8	3	2					
		Certificate of Achievement	15.0612) Industrial Technology/Technician	1		1		1					
		CSN Total			2	2	9	3	3				
	GBC	Associates	15.0612) Industrial Technology/Technician	10	11	12	15	9					
		GBC Total			10	11	12	15	9				
	TMCC	Associates	15.0613) Manufacturing Engineering Technology/Technician	1	2	4		4					
		Certificate of Achievement	15.0613) Manufacturing Engineering Technology/Technician					4	2				
		Skills Certificate	15.0613) Manufacturing Engineering Technology/Technician			1	17	44					
	TMCC Total			1	2	5	21	50					
	WNC	Associates	15.0612) Industrial Technology/Technician	2	2		4	6					
			15.0613) Manufacturing Engineering Technology/Technician	3	4	4	3						
		Certificate of Achievement	15.0612) Industrial Technology/Technician		1	1		1					
		Skills Certificate	15.0612) Industrial Technology/Technician			3	36	12					
			15.0613) Manufacturing Engineering Technology/Technician	23	24	17	18	12					
WNC Total			28	31	25	61	31						
05 Industrial Engineering Technicians Total				41	46	51	100	93	66	12	551.7%		
06 Industrial Engineers				NO PROGRAMS OFFERED									
06 Industrial Engineers Total												104	-
07 Industrial Machinery Mechanics	GBC	Certificate of Achievement	47.0303) Industrial Mechanics And Maintenance Technology	14	16	17	17	15					
		Skills Certificate	47.0303) Industrial Mechanics And Maintenance Technology	21	18	21	19	15					
		GBC Total			35	34	38	36	30				
07 Industrial Machinery Mechanics Total				35	34	38	36	30	35	198	17.5%		
08 Mechanical Engineers	UNLV	Bachelors	14.1901) Mechanical Engineering	67	59	84	64	98					
		Doctoral	14.1901) Mechanical Engineering	3	6	5	4	8					
		Masters	14.1901) Mechanical Engineering	8	6	13	7	5					
		UNLV Total			78	71	102	75	111				
	UNR	Bachelors	14.1901) Mechanical Engineering	117	132	144	168	146					
		Doctoral	14.1901) Mechanical Engineering	3	2	2	4	2					
		Masters	14.1901) Mechanical Engineering	11	7	7	6	4					
		UNR Total			131	141	153	178	152				
08 Mechanical Engineers Total				209	212	255	253	263	238	219	108.9%		
09 Medical and Clinical Laboratory Technicians and Technologists	CSN	Associates	51.1004) Clinical/Medical Laboratory Technician	9	11	12	9	9					
		Bachelors	51.1005) Clinical Laboratory Science/Medical Technology/Technologist	9	8	10	7	5					
		Certificate of Achievement	51.0802) Clinical/Medical Laboratory Assistant	1									
	CSN Total			19	19	22	16	14					
	TMCC	Skills Certificate	51.1003) Hematology Technology/Technician	150	119	84	82	41					
TMCC Total			150	119	84	82	41						
09 Medical and Clinical Laboratory Technicians and Technologists Total				169	138	106	98	55	113	178	63.6%		

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10 Computer Systems Analysts/Computer and Information Systems Managers	CSN	Associates	11.0103) Information Technology	54	39	30	12	4				
			11.1003) Computer And Information Systems Security/Information Assurance	9	11	10	1	4				
		Certificate of Achievement	11.0103) Information Technology			1	1					
			11.0501) Computer Systems Analysis/Analyst	1						1		
			11.0901) Computer Systems Networking And Telecommunications	1								
		Skills Certificate	11.0901) Computer Systems Networking And Telecommunications	214	64	138	146	205				
			11.1003) Computer And Information Systems Security/Information Assurance	45	33	97	96	98				
			11.1005) Information Technology Project Management	1		78	94	174				
		CSN Total			325	148	354	349	486			
		GBC	Associates	11.0101) Computer And Information Sciences, General	1	2			2			
	11.0901) Computer Systems Networking And Telecommunications						5	1				
	Skills Certificate		11.0901) Computer Systems Networking And Telecommunications	1	1	3		1				
			11.1001) Network And System Administration/Administrator	1	1	3						
	GBC Total			3	4	6	7	2				
	TMCC	Associates	11.0901) Computer Systems Networking And Telecommunications	9	10	6	5	5				
			11.1003) Computer And Information Systems Security/Information Assurance			1	2	6				
			52.1201) Management Information Systems, General	4	4	5	2	5				
			11.0103) Information Technology	4	2	3	1					
		Certificate of Achievement	52.1201) Management Information Systems, General	2	1	2						
			11.0101) Computer And Information Sciences, General	8	6	23	27	28				
		Skills Certificate	11.0901) Computer Systems Networking And Telecommunications	2	4	13	3	3				
			11.1003) Computer And Information Systems Security/Information Assurance				1	1				
	TMCC Total			29	27	53	41	48				
	UNLV	Bachelors	11.0401) Information Science/Studies			1						
			11.0701) Computer Science	83	70	96	96	144				
			52.1201) Management Information Systems, General	1	1	1	1					
		Doctoral	11.0701) Computer Science		1	3	2	5				
		Masters	11.0701) Computer Science	17	20	10	21	12				
	UNLV Total			101	93	110	120	161				
	UNR	Bachelors	11.0101) Computer And Information Sciences, General	88	82	79	92	85				
			11.0701) Computer Science	1		1						
		Masters	11.0101) Computer And Information Sciences, General	10	5	9	11	10				
			11.0701) Computer Science	1	2							
	UNR Total			100	89	89	103	95				
	WNC	Associates	11.0101) Computer And Information Sciences, General	3	7	7	6	7				
			11.0901) Computer Systems Networking And Telecommunications	10	1	3						
		Certificate of Achievement	11.0901) Computer Systems Networking And Telecommunications	1	3			3				
			11.0901) Computer Systems Networking And Telecommunications	15	11	5	9	4				
	WNC Total			29	22	15	15	14				
	10 Computer Systems Analysts/Computer and Information Systems Managers Total				587	383	627	635	806	608	358	169.7%
	11 Licensed Practical and Licensed Vocational Nurses	CSN	Certificate of Achievement	51.3901) Licensed Practical/Vocational Nurse Training	23	12	23		5			
				CSN Total	23	12	23		5			
	11 Licensed Practical and Licensed Vocational Nurses Total				23	12	23		5	16	279	5.6%

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12 Registered Nurses	CSN	Associates	51.3801) Registered Nursing/Registered Nurse	179	195	195	208	198			
			CSN Total	179	195	195	208	198			
	GBC	Associates	51.3801) Registered Nursing/Registered Nurse	16	26	26	30	27			
			Bachelors	28	23	11	16	23			
				GBC Total	44	49	37	46	50		
	NSC	Bachelors	51.3801) Registered Nursing/Registered Nurse	130	139	235	254	308			
			NSC Total	130	139	235	254	308			
	TMCC	Associates	51.3801) Registered Nursing/Registered Nurse	43	57	52	55	57			
			TMCC Total	43	57	52	55	57			
	UNLV	Bachelors	51.3801) Registered Nursing/Registered Nurse	129	123	126	135	155			
			Doctoral	15	9	7	15	14			
			Masters	23	35	31	19	29			
				UNLV Total	167	167	164	169	198		
	UNR	Bachelors	51.3801) Registered Nursing/Registered Nurse	144	144	149	147	144			
			Doctoral	9	12	9	13	25			
			Masters	32	32	25	30	30			
				UNR Total	185	188	183	190	199		
WNC	Associates	51.3801) Registered Nursing/Registered Nurse	42	45	41	52	53				
		WNC Total	42	45	41	52	53				
12 Registered Nurses Total				790	840	907	974	1063	915	2072	44.2%
13 Computer Programmers/Software Developers	CSN	Associates	11.0103) Information Technology	54	39	30	12	4			
			11.0201) Computer Programming/Programmer, General			6	26	24			
			11.0801) Web Page, Digital/Multimedia And Information Resources Design	2	2	1					
			11.1004) Web/Multimedia Management And Webmaster		1	4	8	7			
			11.0103) Information Technology		1	1					
			11.0201) Computer Programming/Programmer, General	1							
			11.0801) Web Page, Digital/Multimedia And Information Resources Design	1	1	1					
				CSN Total	58	44	43	46	35		
	GBC	Associates	11.0803) Computer Graphics	3		2	1	3			
			GBC Total	3		2	1	3			
	TMCC	Associates	11.0202) Computer Programming, Specific Applications	10	12	20	11	16			
			52.1201) Management Information Systems, General	4	4	5	2	5			
			11.0103) Information Technology	4	2	3	1				
			11.0801) Web Page, Digital/Multimedia And Information Resources Design	1							
			52.1201) Management Information Systems, General	2	1	2					
				Skills Certificate	14.0901) Computer Engineering, General	11	2				
				TMCC Total	21	30	32	14	21		
	UNLV	Bachelors	11.0401) Information Science/Studies		1						
			11.0701) Computer Science	83	70	96	96	144			
			14.0901) Computer Engineering, General	10	20	24	17	24			
			52.1201) Management Information Systems, General	1	1	1	1				
			Doctoral	11.0701) Computer Science		1	3	2	5		
				Masters	11.0701) Computer Science	17	20	10	21	12	
			UNLV Total	111	113	134	137	185			
UNR	Bachelors	11.0701) Computer Science	1		1						
		14.0901) Computer Engineering, General	69	71	121	106	103				
		Doctoral	14.0901) Computer Engineering, General		6	5	7	8			
		Masters	11.0701) Computer Science	1	2						
			UNR Total	24	20	20	22	30			
			UNR Total	95	99	147	135	141			
13 Computer Programmers/Software Developers Total				288	286	358	333	385	330	846	39.0%

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14 Teachers**	GBC	Bachelors	13.1202) Elementary Education And Teaching	9	10	12	16	16				
			13.1205) Secondary Education And Teaching		2			1				
			13.1305) English/Language Arts Teacher Education					1	2			
			13.1311) Mathematics Teacher Education				1					
			13.1317) Social Science Teacher Education	1	1		2					
			13.1322) Biology Teacher Education		1	1		1				
		GBC Total			10	14	14	19	20			
	NSC	Bachelors	13.0201) Bilingual And Multilingual Education	2	1							
			13.1001) Special Education And Teaching, General	17	9	23	14	26				
			13.1202) Elementary Education And Teaching	32	27	35	32	29				
			13.1205) Secondary Education And Teaching			1						
			13.1305) English/Language Arts Teacher Education	5	1	5	1	4				
			13.1311) Mathematics Teacher Education	3	1	4	1	2				
			13.1316) Science Teacher Education/General Science Teacher Education		1							
			13.1322) Biology Teacher Education	1	3	1	1					
		NSC Total			2	1	6	8	8			
	UNLV	Bachelors	13.1001) Special Education And Teaching, General	21	21	18	25	35				
			13.1202) Elementary Education And Teaching	86	110	50	111	83				
			13.1205) Secondary Education And Teaching	42	45	59	53	43				
			13.121) Early Childhood Education And Teaching	33	30	42	19	35				
			13.1307) Health Teacher Education	7	16	25	31	35				
			13.1314) Physical Education Teaching And Coaching	1								
			13.1316) Science Teacher Education/General Science Teacher Education	3	1	2	1	3				
			13.0301) Curriculum And Instruction	11	13	10	6	10				
			13.1001) Special Education And Teaching, General	3	8	8	3	7				
		Doctoral	13.1201) Adult And Continuing Education And Teaching	5	2	2	7					
			13.1206) Teacher Education, Multiple Levels	3	3	2	2	3				
			13.0301) Curriculum And Instruction	156	153	135	188	192				
		Masters	13.1001) Special Education And Teaching, General	108	128	117	108	121				
			13.121) Early Childhood Education And Teaching	34	49	42	25	34				
			13.1307) Health Teacher Education			1						
			13.1401) Teaching English As A Second Or Foreign Language/EsL Language Instructor	3	2	3	6	16				
				UNLV Total			516	581	516	585	617	
		UNR	Bachelors	13.1202) Elementary Education And Teaching	74	70	75	64	76			
	13.1205) Secondary Education And Teaching			55	66	53	52	28				
	13.1301) Agricultural Teacher Education							3				
	13.1305) English/Language Arts Teacher Education							6				
	13.1311) Mathematics Teacher Education						3	11				
	13.1312) Music Teacher Education			7	4	5	9	7				
	13.1322) Biology Teacher Education					4	3	5				
	13.1323) Chemistry Teacher Education					1	1	2				
	13.1328) History Teacher Education							1				
	13.1329) Physics Teacher Education					1		1				
	13.1338) Environmental Education				1	1	5					
	Doctoral		13.0301) Curriculum And Instruction	2	1	2						
			13.1001) Special Education And Teaching, General			3		1				
			13.1502) Adult Literacy Tutor/Instructor	1	1							
	Masters		13.0202) Multicultural Education	9	11	10	12	15				
			13.1001) Special Education And Teaching, General	21	18	24	16	16				
			13.1202) Elementary Education And Teaching	40	14	34	6	32				
			13.1205) Secondary Education And Teaching	23	18	24	19	12				
			13.1502) Adult Literacy Tutor/Instructor	8	6	13	1	8				
				UNR Total			240	209	250	187	229	
		14 Teachers Total				828	848	855	848	935	863	2824

Source: NSHE Data warehouse, DETR employment projections <http://nevadaworkforce.com/Home/DS-Results-Projections2>

*The 5-year average is used to compare NSHE degree productivity relative to occupational demand estimated by DETR in annual job openings

**Only counting bachelors degrees or higher

Note: this is an unduplicated count of awards by academic year, occupational cluster, degree type, and cip program (i.e. a student who completes an associates and a bachelors degree in cip 52.1201 in the same academic year, the student is counted in each degree type) OR if a student earns more than one award at an institution in the same - academic year, degree type and cip code within the occupation cluster, that student is counted once.