

Growth in WSCE CTE Program Wages of 2018-19 Course-Takers

5/23/22

Year	Program	Count	Average, Annual Wages by Year					Change 2017 to 2020	
			2017	2018	2019	2020	2021	\$	%
2018-19	AWS Welding Certification	23	9,675	16,561	20,308	22,131	27,920	11,360	69%
	Basic Welding	35	24,238	27,375	29,068	26,773	34,034	6,659	24%
	Blue Print Reading	13	22,605	29,572	39,620	37,138	40,803	11,231	38%
	CDL-A Full-Time Option	72	28,147	25,919	31,868	32,619	39,352	13,433	52%
	CompTIA A+ Prep and Certificat	7	30,001	39,704	36,572	42,629	56,741	17,037	43%
	CompTIA IT Fundamentals	14	27,220	47,517	27,170	29,812	54,154	6,636	14%
	Construction Project Management	8	30,359	40,493	41,913	51,670	70,003	29,510	73%
	Electrical Basics	7	64,876	42,487	43,416	46,792	52,564	10,077	24%
	HVAC Basics	7	30,633	38,031	39,644	41,943	49,509	11,478	30%
	HVAC Level 1 Apprenticeship	18	43,783	41,926	47,704	44,392	44,697	2,771	7%
	HVAC Level 2 Apprenticeship	20	48,360	54,693	66,513	59,150	59,955	5,261	10%
	HVAC Level 3 Apprenticeship	15	48,054	53,312	65,028	67,051	69,268	15,956	30%
	HVAC Level 4 Apprenticeship	5	34,686	33,958	35,711	44,600	50,111	16,153	48%
	HVAC Troubleshooting	7	30,633	38,031	39,644	41,943	49,509	11,478	30%
	Heavy Equipment Operator Hiring	11	11,064	19,831	27,529	29,962	35,507	15,676	79%
	Heavy Equipment Operator Level	44	17,487	18,622	24,351	27,404	33,902	15,280	82%
	Industrial Electrical Basics	9	35,600	72,132	84,826	86,556	90,517	18,385	25%
	Industrial Electrical III	8	55,781	58,536	60,992	67,385	79,339	20,804	36%
	Industrial Mechanics	8	41,942	37,494	56,189	56,640	54,462	16,968	45%
	MIG Welding Workshop	26	12,710	17,008	22,537	23,363	30,882	13,874	82%
	Mechatronics: Industrial Instr	10	54,478	61,831	65,163	73,551	80,673	18,841	30%
	Mechatronics: Introduction to	7	65,662	75,702	73,541	78,273	80,053	4,352	6%
	Medical Assistant (CCMA)	71	20,384	20,314	25,908	23,499	28,138	7,824	39%
	Medical Terminology	18	23,806	24,487	19,953	24,929	29,571	5,083	21%
	Pharmacy Technician	13	18,464	22,376	29,366	23,690	22,825	449	2%
	Phlebotomy Technician Program	58	18,580	17,226	20,229	19,236	26,045	8,819	51%
	Plumbing Level 1 Apprenticeship	8	14,198	21,862	28,579	29,758	35,873	14,011	64%
	Plumbing Level 2 Apprenticeship	8	36,441	41,669	48,321	49,094	47,954	6,286	15%
	Plumbing Level 3 Apprenticeship	8	40,886	53,295	50,983	47,665	42,832	-10,463	-20%
	Plumbing Level 4 Apprenticeship	8	55,158	60,145	76,671	64,021	68,158	8,013	13%
TIG Welding Workshop	25	9,229	16,321	21,309	21,999	29,770	13,449	82%	
Total		613	28,342	31,158	35,002	35,632	41,387	10,229	33%

Growth in WSCE CTE Program Wages of 2019-20 Course-Takers

5/23/22

Year	Program	Count	Average, Annual Wages by Year					Change 2018 to 2021	
			2017	2018	2019	2020	2021	\$	%
2019-20	AWS Welding Certification	16	15,409	14,357	19,187	22,342	28,711	14,353	100%
	Advanced Welding	5	20,847	25,107	23,717	23,014	34,883	9,776	39%
	Basic Welding	28	30,985	26,224	45,223	44,892	55,415	29,191	111%
	Blue Print Reading	21	28,676	28,427	32,395	34,604	35,385	6,958	24%
	CDL-A Full-Time Option	70	29,295	30,739	25,432	22,951	32,953	2,213	7%
	CompTIA A+ Prep and Certificat	33	24,887	21,987	24,467	25,162	31,721	9,734	44%
	CompTIA IT Fundamentals	57	26,140	26,947	29,250	26,159	30,833	3,885	14%
	CompTIA Security+ Prep and Cer	9	27,673	37,452	26,022	46,854	57,907	20,455	55%
	CompTia Network+	11	34,569	33,145	40,886	45,379	51,463	18,318	55%
	Core Craft Skills	27	24,446	10,726	7,728	11,587	17,970	7,243	68%
	Electrical Basics	12	34,752	35,469	29,617	32,409	34,375	-1,094	-3%
	HVAC Basics	7	33,543	30,028	24,519	29,374	30,925	897	3%
	HVAC Level 1 Apprenticeship	33	27,344	31,870	34,270	34,720	36,365	4,496	14%
	HVAC Level 2 Apprenticeship	17	34,443	35,762	38,099	34,975	37,951	2,189	6%
	HVAC Level 3 Apprenticeship	16	56,496	56,479	63,989	48,621	50,878	-5,601	-10%
	HVAC Level 4 Apprenticeship	13	46,433	46,008	54,192	48,062	56,364	10,356	23%
	HVAC Troubleshooting	7	33,543	30,028	24,519	29,374	30,925	897	3%
	Heavy Equipment Operator Level	25	18,767	22,946	26,828	23,702	30,468	7,521	33%
	MIG Welding Workshop	24	22,098	21,930	43,193	42,811	51,269	29,339	134%
	Mechanical Schematics Drawing	5	82,140	112,710	214,048	170,096	140,210	27,500	24%
	Mechatronics - Industrial Mech	6	40,264	38,910	45,642	47,902	64,217	25,307	65%
	Mechatronics: Advanced Program	8	54,210	59,655	59,886	65,907	91,518	31,863	53%
	Mechatronics: Fluid Power Syst	9	61,462	61,066	68,412	74,372	96,642	35,576	58%
	Mechatronics: Industrial Elect	15	44,743	50,920	55,189	65,242	81,251	30,331	60%
	Mechatronics: Introduction to	12	41,546	48,601	57,004	69,565	86,201	37,601	77%
	Medical Assistant (CCMA)	73	16,613	19,004	18,459	20,200	25,635	6,631	35%
Medical Terminology	14	16,053	17,073	20,903	22,533	26,802	9,730	57%	
Metal Machining	10	90,666	98,677	185,515	167,312	151,797	53,120	54%	
Phlebotomy Technician Program	24	16,695	21,211	19,591	22,413	26,487	5,275	25%	

Growth in WSCE CTE Program Wages of 2019-20 Course-Takers

5/23/22

Year	Program	Count	Average, Annual Wages by Year					Change 2018 to 2021	
			2017	2018	2019	2020	2021	\$	%
	Plumbing Basics	6	88,647	47,057	42,448	44,704	44,868	-2,189	-5%
	Plumbing Level 2 Apprenticeship	8	29,416	36,047	39,184	40,103	50,251	14,204	39%
	Plumbing Level 3 Apprenticeship	6	25,960	36,030	42,120	40,512	42,232	6,202	17%
	Plumbing Level 4 Apprenticeship	9	37,672	49,434	51,853	47,882	48,874	-560	-1%
	Programmable Logic Controls	8	66,139	71,720	70,761	78,412	85,704	13,984	19%
	TIG Welding Workshop	21	17,712	17,540	42,291	41,052	48,216	30,676	175%
	Total	688	30,625	31,663	36,611	36,529	42,351	10,688	34%

IR: JM

File: Trends in WSCE CTE Program Wages by Year and Year of Course - 052322.xlsx

Sources: VEC noncredit data for LFCC provided annually by VCCS, Query VX_WES_WCG_ENRL_BY_ATTRIBUTE for 070116 to 063021 run 03/28/22.

Notes: Includes all CNED course enrollments in CTE-related fields. Includes all completers with S grades. Excludes students without wage records.

Wage data are summed across all employers and quarters for the year by EMPLID. Data without EMPLIDs excluded.

Data do not include military, federal, & self-employed. Heat map is based on range of wages. Counts are unique enrollment in courses per year.

Cells with <5 students are not displayed per federal guidelines. For 2018-19 course-takers, growth = (2020 wages - 2017 wages)/2017 wages.

For 2019-20 course-takers, growth = (2021 wages - 2018 wages)/2018 wages. Missing data are not included in calculations of average.