

# IOWA'S STEM JOBS



## STEM OCCUPATIONS BY GROUP

Occupational Title	Employment <sup>[1]</sup>			\$ <sup>[2]</sup>		Career Preparation <sup>[3]</sup>			Top Skills <sup>[4]</sup>
	2012 Est	2022 Proj	Annual Growth Rate (%)	2014 Mean Wage	2014 Mean Salary	Educ	Work Exp	Job Training	(L-R in order of significance)
<b>Total, All Occupations</b>	<b>1,758,205</b>	<b>1,955,480</b>	<b>1.1</b>	<b>19.35</b>	<b>40,241</b>				
<b>Management Occupations</b>	<b>161,915</b>	<b>160,970</b>	<b>-0.1</b>	<b>41.59</b>	<b>86,513</b>				
Computer & Information Systems Managers	2,310	2,805	2.1	53.56	111,404	BA	> 5	N	B7 B2 B3 C1 B6 B10
Financial Managers	5,540	6,430	1.6	51.28	106,656	BA	> 5	N	C1 B3 B2 B7 SY1 B9 B10
Industrial Production Managers	2,205	2,300	0.4	38.87	80,844	BA	> 5	N	SO1 B2 B6 R3 R4
Construction Managers	3,300	4,010	2.2	35.55	73,944	BA	N	M	R4 B2 B3 R3 B9
Architectural & Engineering Managers	1,300	1,395	0.7	53.71	111,723	BA	> 5	N	B2 B7 B9 B10 C1 SO1 R3 B6 T6 R4
<b>Business &amp; Financial Operations Occupations</b>	<b>76,000</b>	<b>87,095</b>	<b>1.5</b>	<b>28.79</b>	<b>59,882</b>				
Compliance Officers	1,935	2,155	1.1	29.26	60,863	BA	N	M	B1 B3 B9 C1 B7
Cost Estimators	2,085	2,505	2.0	27.55	57,300	BA	N	N	B5 B3 B9 B2 SY1
Logisticians	560	700	2.6	30.08	62,570	BA	N	N	B3 B2 C1 B6 B7
Accountants & Auditors	13,325	15,540	1.7	29.90	62,184	BA	N	N	B2 B5 B7 B10 B9
Credit Analysts	720	845	1.7	31.84	66,221	BA	N	N	B3 B1 B2 SY1 B7 B9
Financial Analysts	1,935	2,275	1.8	36.36	75,632	BA	N	N	B3 B7 B10 B2 C1
Personal Financial Advisors	1,605	2,130	3.3	37.47	77,937	BA	N	N	B3 B9 B7 SY1 B10
Insurance Underwriters	1,815	1,875	0.3	29.28	60,896	BA	N	M	B2 SY1 B7 B3 B9
<b>Computer &amp; Mathematical Occupations</b>	<b>33,470</b>	<b>40,660</b>	<b>2.1</b>	<b>33.20</b>	<b>69,050</b>				
Computer Systems Analysts	5,260	6,910	3.1	37.18	77,326	BA	N	N	B3 B2 B7 B9 SY2
Information Security Analysts	1,945	2,800	4.4	34.32	71,377	BA	< 5	N	B7 B3 C1 B9 B2 B10
Computer Programmers	3,910	4,465	1.4	31.03	64,548	BA	N	N	T7 B7 C1 B3 B2 T8
Software Developers, Applications	3,835	4,510	1.8	36.90	76,749	BA	N	N	C1 T7 SY2 SY1 SY3
Software Developers, Systems Software	2,820	3,350	1.9	43.64	90,778	BA	N	N	B3 B2 T7 B7 C1
Web Developers	860	1,005	1.7	28.86	60,028	AS	N	N	T7 B3 T6 B2 C1 B7
Database Administrators	735	860	1.7	35.19	73,192	BA	< 5	N	C1 B3 B6 B1 B2 B7
Network & Computer Systems Administrators	3,220	3,640	1.3	30.94	64,362	BA	N	N	B3 B7 SY2 C1 SY1 B6 SY3
Computer Network Architects	785	925	1.8	44.61	92,779	BA	> 5	N	B2 T6 SY2 B1 C1
Computer User Support Specialists	4,850	5,980	2.3	19.53	40,632	SC	N	M	B2 B9 B7 B3 B10
Computer Network Support Specialists	1,595	1,690	0.6	24.85	51,696	AS	N	N	N.A. N.A. N.A. N.A.
Actuaries	540	750	3.9	45.00	93,595	BA	N	L	B5 B3 SY1 C1 B7
Operations Research Analysts	770	980	2.7	35.37	73,580	BA	N	N	B3 B5 C1 B7 SY1 SY2 SY3
<b>Architecture &amp; Engineering Occupations</b>	<b>18,715</b>	<b>20,165</b>	<b>0.8</b>	<b>31.38</b>	<b>65,262</b>				
Architects, Ex Landscape & Naval	935	1,140	2.1	33.02	68,690	BA	N	I	B2 B3 C1 B9 SY1 B7
Civil Engineers	1,690	2,025	2.0	37.53	78,053	BA	N	N	C1 B3 SY1 B5 T6 B7
Electrical Engineers	1,335	1,400	0.5	35.75	74,367	BA	N	N	B3 B7 B2 C1 B10
Industrial Engineers	2,330	2,500	0.7	33.86	70,438	BA	N	N	B7 B2 C1 B3 B10
Mechanical Engineers	2,420	2,605	0.8	34.03	70,784	BA	N	N	C1 B3 B2 SY1 B5 B7
Electrical & Electronics Engineering Technicians	1,225	1,220	0.0	27.15	56,473	AS	N	N	C1 B7 R4 B2 B3 B9
Industrial Engineering Technicians	665	710	0.7	22.39	46,572	AS	N	N	B3 C1 B6 B2 B7
<b>Life, Physical, &amp; Social Science Occupations</b>	<b>12,490</b>	<b>13,850</b>	<b>1.1</b>	<b>26.96</b>	<b>56,083</b>				
Soil & Plant Scientists	1,495	1,745	1.7	33.75	70,191	BA	N	N	B8 B2 B3 B9 SY1 B7
Medical Scientists, Ex Epidemiologists	585	655	1.2	27.84	57,910	DP	N	N	B8 B3 B7 C1 B9
Chemists	475	540	1.4	32.11	66,799	BA	N	N	B8 B7 B2 B3 C1 B9
Environmental Scientists & Specialists, Incl Health	775	890	1.5	31.28	65,053	BA	N	N	B8 B3 B7 B9 B2 B10
Clinical, Counseling, & School Psychologists	1,370	1,505	0.9	35.31	73,445	DP	N	I	B2 B7 SO6 B9 B10
Agricultural & Food Science Technicians	1,075	1,175	0.9	15.94	33,146	AS	N	M	B7 B3 B10 B2 C1 SO1 B9
Biological Technicians	740	775	0.5	19.32	40,183	BA	N	N	B7 B2 B3 B8 C1
Chemical Technicians	585	635	0.9	20.66	42,971	AS	N	M	B8 B7 B3 B6 B10
Environmental Science/Protection Techs, Incl Health	440	550	2.4	19.50	40,565	AS	N	N	B7 B2 C1 B9 B10
Forest & Conservation Technicians	535	545	0.3	20.12	41,842	AS	N	N	B3 B2 B7 SY1 B9
<b>Construction &amp; Extraction Occupations</b>	<b>75,710</b>	<b>93,145</b>	<b>2.3</b>	<b>19.83</b>	<b>41,243</b>				
Electricians	7,350	8,830	2.0	22.55	46,897	HS	N	A	T11 T9 B2 B3 T5 T8
Plumbers, Pipefitters, & Steamfitters	6,290	7,745	2.3	22.51	46,826	HS	N	A	SO1 R4 B3 T5 B2 SY1 B6 B9
<b>Installation, Maintenance, &amp; Repair Occupations</b>	<b>68,585</b>	<b>76,810</b>	<b>1.2</b>	<b>20.01</b>	<b>41,631</b>				
Computer, Automated Teller, & Office Machine Repairers	1,805	1,980	1.0	17.60	36,609	SC	N	N	T5 B3 T4 T8 B2
Telecom Equip Installers/Repairers, Ex Line Installers	2,355	2,405	0.2	25.83	53,737	PS	N	M	T5 T8 T11 B2 C1 B3 T1 T9
Automotive Service Technicians & Mechanics	9,795	10,875	1.1	18.11	37,670	HS	N	L	T1 T9 T11 T2 T8
Farm Equipment Mechanics & Service Technicians	1,965	2,100	0.7	17.73	36,885	HS	N	L	T9 T1 T11 T8 B3 T4 T5
Control & Valve Installers & Repairers, Ex Mechanical Door	565	580	0.3	24.52	51,006	HS	N	M	B3 T5 T4 B2 C1 T1 SY1 B6
Heating, A C, & Refrigeration Mechanics & Installers	3,235	4,015	2.4	22.29	46,366	PS	N	L	T3 T11 T9 T1 T5
Electrical Power-Line Installers & Repairers	1,620	1,730	0.7	27.65	57,504	HS	N	L	B2 B6 B3 T11 B1 C1 SY1 T4 T5 T8 T9
Telecommunications Line Installers & Repairers	1,180	1,340	1.4	20.61	42,870	HS	N	L	B2 B3 T4 T5 T11
Installation, Maintenance, & Repair Wkrs, All Other	2,375	2,510	0.6	17.60	36,611	HS	N	M	
<b>Production Occupations</b>	<b>161,460</b>	<b>173,485</b>	<b>0.7</b>	<b>16.07</b>	<b>33,436</b>				
Computer-Controlled Machine Tool Operators, Metal/Plastic	2,780	3,335	2.0	18.00	37,449	HS	N	M	B6 T5 B3 T8 T4
Welders, Cutters, Solderers, & Brazers	8,330	9,010	0.8	16.85	35,038	HS	N	M	B3 B2 B6 SY1 T4 T5
Welding/Soldering/Brazing Machine Setters/Operators	1,595	2,005	2.6	17.72	36,855	HS	N	M	T5 B2 B3 B6 T4 B9
Power Plant Operators	665	620	-0.7	31.19	64,872	HS	N	L	T5 B2 B3 B9 T4 T8
Water & Wastewater Treatment Plant & System Operators	1,970	2,130	0.8	19.76	41,103	HS	N	L	T4 T5 B6 T8 B2 T1 B7 T11
Chemical Plant & System Operators	910	970	0.6	23.09	48,025	HS	N	L	T5 T4 B6 T8 B3
Chemical Equipment Operators & Tenders	695	745	0.7	20.54	42,729	HS	N	M	T5 T4 B6 B2 B3 SY1 B7

