

STEM Occupations Top Openings

2012-2022

Missouri's Science, Technology, Engineering and Math (STEM) Occupations are expected to be strong contributors to Missouri's future workforce. This includes openings created by new job growth, as well as those created through the need for replacement workers. Replacement openings occur due to retirement, turnover, or transferring to another occupation.

STEM occupations are generally higher paying than the Missouri average, and most require a Bachelor's degree or higher of education. All of the 20 Top Opening STEM occupations have a Grade A or B outlook in terms of having above average growth, openings, or wages.

Career Grade	Occupation Title	2012 Estimated Employment	2022 Projected Employment	Openings Due to Growth	Openings Due to Replacement	Total Openings	2013 Average Wage
A	Computer User Support Specialists	14,430	16,614	2,184	2,268	4,452	\$47,667
A+	Computer Systems Analysts	10,948	13,105	2,157	1,720	3,877	\$80,088
A+	Software Developers, Applications	11,747	13,465	1,718	1,506	3,224	\$85,772
B	Computer Programmers	8,863	9,054	191	2,315	2,506	\$71,515
B+	Network and Computer Systems Administrators	8,661	9,340	679	1,361	2,040	\$69,640
A	Computer and Information Systems Managers	6,135	6,863	728	852	1,580	\$110,412
A	Civil Engineers	3,948	4,551	603	960	1,563	\$71,351
B+	Mechanical Engineers	3,713	3,980	267	1,267	1,534	\$78,993
B	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	5,806	6,174	368	1,132	1,500	\$65,849
B+	Industrial Engineers	3,623	3,891	268	1,059	1,327	\$77,805
B+	Electrical Engineers	3,362	3,612	250	734	984	\$88,513
B	Database Administrators	3,694	3,897	203	698	901	\$76,224
B+	Architectural and Engineering Managers	2,567	2,774	207	630	837	\$117,133
A	Software Developers, Systems Software	3,014	3,437	423	386	809	\$99,086
B+	Computer Network Architects	3,010	3,295	285	473	758	\$96,300
B	Chemists	2,134	2,283	149	553	702	\$68,976
A	Biochemists and Biophysicists	1,300	1,613	313	371	684	\$79,268
A	Information Security Analysts	1,493	1,911	418	235	653	\$78,496
B	Web Developers	2,153	2,419	266	338	604	\$59,007
B	Agricultural and Food Science Technicians	1,203	1,333	130	434	564	\$44,413

Data Sources: Missouri Economic Research and Information Center (MERIC) Long-term Occupational Projections, MERIC Occupational Employment and Wage Survey, and U.S. Bureau of Labor Statistics. Career Grades are assigned by analyzing an occupations percentage change, total openings and average wage relative to all other occupations in the state. An occupations combination of scores on these three variables determines its Career Grade. Product funded by the U.S. Employment and Training Administration (ETA) Workforce Information Grant. October 2014

