



**SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS
CAREER CLUSTER
PATHWAY: ENGINEERING & TECHNOLOGY**

DEGREE/TRAINING REQUIRED Standard Occupational System (SOC) Code	OCCUPATION	KANSAS MEDIAN ANNUAL SALARY ⁱ	% CHANGE / EMPLOYMENT PROSPECTS	
			KANSAS 2012-2022 ⁱⁱ	USA 2014-2024 ⁱⁱⁱ
-Associate Degree -Certifications -On the Job Training -2 Yr. Community/Technical Colleges -Registered Apprenticeship				
17-3022	Civil Engineering Technician	\$42,350/yr.	+0%	+4.8%
17-3011	Architectural and Civil Drafters	\$43,010/yr.	+0.3%	-3%
47-2111	Electrician	\$47,300/yr.	+1.0%	+13.7%
17-3026	Industrial Engineering Technician	\$52,670/yr.	+0.6%	-4.5%
Bachelor's Degrees Colleges / Universities				
17-2011	Aerospace Engineer/Aeronautical Engineer	\$97,280/yr.	+0.3%	-2.3%
17-2021	Agricultural Engineer	\$73,620/yr.	+0.5%	+4.4%
17-2031	Biomedical Engineer / Biotechnology Engineer	N/A	N/A	+23.1%
17-2041	Chemical Engineer	\$100,080/yr.	+0.6%	+1.8%
17-2051	Civil Engineer/Construction Engineer/Structural Engineer/Geothermal Engineer/Architectural Engineer	\$72,440/yr.	+2.1%	+8.4%
17-2061	Computer Engineer / Computer Hardware Engineer	\$81,120/yr.	+1.2%	+3.1%

ⁱ 2012-2022 Kansas Occupational Outlook Study, <http://www.dol.ks.gov>

ⁱⁱ 2012-2022 Kansas Occupational Outlook Study, <http://www.dol.ks.gov>

ⁱⁱⁱ 2015-2016 National Employment Occupational Outlook Handbook, <http://www.bls.gov/ooh>

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15-1132	Computer Software Engineer, Applications	86,730/yr.	+2%	+18.8%
15-1133	Computer Software Engineer, Systems Software	\$90,850/yr.	+2%	+13%
17-2071	Electrical Engineer / Energy Transmission Engineer / Power Systems Engineer / EMC/EMI Engineer / Traffic Engineer	\$83,230/yr.	+1.5%	+1%
11-9041	Engineering Managers	\$114,100/yr.	+1.4%	+2%
17-2072	Electronics Engineer / Communications Engineer	\$82,390/yr.	+1%	-1.4%
17-2081	Environmental Engineer	\$82,890/yr.	+1.1%	+12.4%
17-2112	Industrial Engineer / Manufacturing Engineer / Manufacturing Processes Engineer/ Quality Engineer / Operations Research Engineer / Packaging Engineer/Cost Engineer	\$74,210/yr.	+1.2%	+0.9%
17-2111	Industrial Safety and Health Engineers / Safety Engineer	\$69,000/yr.	+1.7%	+6.2%
17-2141	Mechanical Engineer/ Automotive Engineer	\$70,240/yr.	+1.4%	+5.3%
17-2131	Materials Engineer	\$86,930/yr.	+0.9%	+1.3%
17-2161	Nuclear Engineer	\$93,580/yr.	+1%	-4%
17-2171	Petroleum Engineer	\$147,200/yr.	+2.1%	+9.8%

N/A = Data Not Available

Employment is projected to:	Growth compared to average:
increase 21 percent or more	Grow much faster than average
increase 14 to 20 percent	Grow faster than average
increase 7 to 13 percent	Grow about as fast as average
increase 3 to 6 percent	Grow more slowly than average
decrease 2 percent to increase 2 percent	Little or no change
decrease 3 to 9 percent	Decline slowly or moderately
decrease 10 percent or more	Decline rapidly