SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS CAREER CLUSTER

PATHWAY: ENGINEERING & TECHNOLOGY

DEGREE/TRAINING REQUIRED Standard Occupational System (SOC) Code	OCCUPATION	KANSAS MEDIAN SALARY[i]	% CHANGE / EMPLOYMENT PROSPECTS	
			KANSAS 2004-2014[ii]	USA 2006-2016[iii]
-Associate Degree **-Certifications** **-On the Job Training** **-2 Yr. Community/Technical Colleges** **-Registered Apprenticeship**				
17-3022	Civil Engineering Technician	$18.88/hr.	+11%	+10%
17-3011	Architectural and Civil Drafters	$17.61/hr.	-4%	+6%
47-2111	Electrician	$21.19/hr.	+3%	+7%
17-3026	Industrial Engineering Technician	$20.33/hr.	+34%	+10%
Bachelor's Degrees **Colleges / Universities**				
17-2011	Aerospace Engineer/Aeronautical Engineer	N/A	N/A	+10%
17-2021	Agricultural Engineer	$34.34/hr.	+7%	+9%
17-2031	Biomedical Engineer / Biotechnology Engineer	N/A	N/A	+21%
17-2041	Chemical Engineer	$36.27/hr.	+5%	+8%
17-2051	Civil Engineer/Construction Engineer/Structural Engineer/Geothermal Engineer/Architectural Engineer	$31.46/hr.	+11	+18%
17-2061	Computer Engineer / Computer Hardware Engineer	$37.32/hr.	+18%	+5%

[i] Salary data from the Kansas Department of Labor, 2007 Kansas Wage Survey
[ii] 2004-2014 Kansas Occupational Outlook Study, http://www.dol.ks.gov
[iii] 2008-2009 National Employment Occupational Outlook Handbook, http://www.bls.gov/oco

DEGREE/TRAINING REQUIRED Standard Occupational System (SOC) Code	OCCUPATION	KANSAS MEDIAN SALARY[i]	% CHANGE / EMPLOYMENT PROSPECTS	
			KANSAS 2004-2014[ii]	USA 2006-2016[iii]
15-1031	Computer Software Engineer, Applications	N/A	N/A	+45%
15-1032	Computer Software Engineer, Systems Software	$36.00/hr.	+38%	+28%
17-2071	Electrical Engineer / Energy Transmission Engineer / Power Systems Engineer / EMC/EMI Engineer / Traffic Engineer	$31.68/hr.	+17%	+6%
11-9041	Engineering Managers	$46.76/hr.	+27%	+7%
17-2072	Electronics Engineer / Communications Engineer	N/A	N/A	+4%
17-2081	Environmental Engineer	$38.76/hr.	+22%	+25%
17-2112	Industrial Engineer / Manufacturing Engineer / Manufacturing Processes Engineer/ Quality Engineer / Operations Research Engineer / Packaging Engineer/Cost Engineer	$30.27/hr.	+19%	+20%
17-2110	Industrial Safety and Health Engineers / Safety Engineer	N/A	N/A	+19%
17-2141	Mechanical Engineer/ Automotive Engineer	$32.64/hr.	+26%	+4%
17-2131	Materials Engineer	N/A	N/A	+4%
17-2161	Nuclear Engineer	N/A	N/A	+7%
17-2171	Petroleum Engineer	$27.79/hr.	+20%	+5%

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