

## Science, Technology, Engineering & Mathematics (STEM)

Jobs related to scientific research, professional and technical services including laboratory and testing services, and research and development services.

Job Title & Description	Annual Wage Entry Level	Annual Wage Median	Annual Wage Experienced	Education Required	Available Local Education
<b>Aerospace Engineers</b> Perform engineering duties in designing, constructing, and testing aircraft, missiles, and spacecraft. May conduct basic and applied research to evaluate adaptability of materials and equipment to aircraft design and manufacture. May recommend improvements in testing equipment and techniques.	\$69,847	\$99,089	\$116,897	Bachelor's	KU
<b>Biological Technicians</b> Assist with set up, operation, and maintenance of laboratory instruments and equipment, monitor experiments, make observations, and calculate and record results.	\$32,831	\$40,848	\$49,596	Bachelor's	Butler CCCC CCKKS JCCC K-State Newman SC Washburn
<b>Biomedical Engineers</b> Use what they know about engineering, biology, and biomechanical principles to design artificial organs, prosthetics, instrumentation, and medical information systems.	\$63,320	\$74,539	\$83,703	Bachelor's	CCKKS K-State KU Newman
<b>Chemists</b> Search for and put into practical use new knowledge about chemicals.	\$42,122	\$63,962	\$88,292	Bachelor's	Allen CC BCCC Baker Benedictine Bethany Bethel Butler CCKKS DCCC ESU FHSU K-State McPherson Newman Sterling Washburn
<b>Civil Engineers</b> Design and supervise construction of roads, airports, tunnels, bridges, water supplies, sewages systems, and buildings.	\$57,231	\$74,955	\$90,659	Bachelor's	K-State KU Ottawa
<b>Electrical and Electronics Drafters</b> Prepare wiring diagrams, circuit board assembly diagrams, and layout drawings used for the manufacture, installation, or repair of electrical equipment.	\$26,000	\$41,410	\$55,260	Associate's	Butler ICC K-State
<b>Electrical Engineers</b> Design, develop, test, and supervise the production of electrical and electronic equipment.	\$64,567	\$83,894	\$105,757	Bachelor's	Butler K-State KU Ottawa WSU
<b>Electrical Engineering Technicians</b> Test or modify developmental or operational electrical machinery or electrical control equipment and circuitry in industrial or commercial plants or laboratories. Usually work under direction of engineers or technologists.	\$39,500	\$60,736	\$80,651	Certificate	Butler KCKCC K-State NCCC NCKTC Ottawa Pitt State
<b>Electronics Engineers</b> Research, design, develop, and test electronic components and systems for commercial, industrial, military, or scientific use using knowledge of electronic theory and materials properties.	\$64,567	\$83,894	\$105,737	Bachelor's	Butler K-State KU Ottawa WSU

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<b>Environmental Science and Protection Technicians</b> Performs laboratory and field tests to monitor the environment and investigate sources of pollution, including those that affect health. Work under direction of an environmental scientist or specialist.	\$30,064	\$44,456	\$54,570	Associate's	<b>K-State Washburn</b>
<b>Environmental Scientists and Specialists</b> Conduct research or perform investigation for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population.	\$49,426	\$71,099	\$90,239	Bachelor's	Haskell <b>K-State KU Ottawa Washburn</b>
<b>Industrial Engineers</b> Determine ways for organizations to use people, machines, materials, information, and energy.	\$58,365	\$79,236	\$96,527	Bachelor's	Butler FHSU <b>K-State Ottawa WSU</b>
<b>Mechanical Engineers</b> Involved with the production, transmission, and use of mechanical power and heat.	\$52,544	\$73,267	\$90,690	Bachelor's	Butler <b>K-State KU Ottawa WSU</b>
<b>Medical Scientists</b> Conduct research dealing with the understanding of human diseases and the improvement of human health. Engage in clinical investigation or other research, production, technical writing, or related activities.	\$51,610	\$74,447	\$112,315	Doctorate or Professional	BCCC <b>CCCKS</b> Colby Cowley ICC JCCC <b>K-State Ottawa</b>
<b>Microbiologists</b> Investigate the growth, structure, development, and other characteristics of microscopic organisms, such as bacteria, algae or fungi.	\$42,623	\$49,466	\$67,190	Bachelor's	<b>CCCKS K-State KU McPherson</b> <b>Newman Ottawa Washburn</b>
<b>Nuclear Engineers</b> Work with or supervise nuclear power plant design, construction or operation; nuclear medicine and health physics; industrial applications such as gauging, tracing, forensics and food sterilization; and research at national laboratories.	\$78,439	\$104,344	\$120,705	Bachelor's	<b>CCCKS K-State</b>
<b>Physicists</b> Conduct research into physical phenomena, develop theories on the basis of observation and experiments, and devise methods to apply physical laws and theories.	\$128,791	\$177,663	\$221,908	Doctorate or Professional	Allen CC BCCC Baker Benedictine Bethel Butler <b>CCCKS ESU FHSU K-State McPherson Washburn</b>
<b>Surveying and Mapping Technicians</b> Perform surveying and mapping duties, usually under the director of a surveyor, cartographer, or photogrammetrist to obtain data used for construction, mapmaking, boundary location, mining, and other functions.	\$25,648	\$35,349	\$42,953	Certificate	<b>K-State</b>
<b>Wind Turbine Service Technicians</b> Inspect, diagnose, adjust, or repair wind turbines. Perform maintenance on wind turbine equipment including resolving electrical, mechanical, and hydraulic malfunctions.	\$37,280	\$56,958	\$66,036	Certificate	JCCC <b>K-State</b>