

Find your perfect career...

Engineering & Architecture

Do you enjoy working with your hands, building things or figuring out how something works? Are you interested in technology to solve problems? A career in global design may be for you.

The duties of engineers and architects often interact, but each profession has its own unique skills and responsibilities. Engineers apply math and science to develop safe and innovative products that meet the needs of people and industry. Architects design structures and indoor and outdoor spaces to create engaging experiences for people at home, work or play.

Career Options

Engineering graduates may work in a variety of industries, such as construction, biomedical, environmental and computer networks. Architecture occupations include designer, project manager, landscape or interior architect.

Hiring Outlook

Kansas City has long had a strength in global design occupations. Over the next 10 years Kansas City companies will hire (due to growth and replacement) over 17,000 people.

Learn More!

To learn more, visit KCWorkforce.org and KCRising.com.



Salary

Many jobs in engineering and architecture offer excellent salary and benefits packages. Below are the average wages for several high-demand professions.

CAREER	AVERAGE STARTING WAGE	AVERAGE ANNUAL WAGE
Architects (except landscape and naval)	\$44,000	\$74,500
Civil Engineering Technicians	\$35,500	\$54,300
Civil Engineers	\$54,100	\$81,900
Electrical and Electronic Engineering Technicians	\$46,400	\$69,000
Electrical Engineers	\$68,100	\$90,100
Electronics Engineers (except computer)	\$65,600	\$92,700
Environmental Engineers	\$57,800	\$88,100
Industrial Engineers	\$60,100	\$84,500
Mechanical Engineers	\$59,000	\$85,500
Surveyors	\$42,200	\$62,900

Source: JobsEQ®



Education Requirements

Engineers must complete a bachelor's degree in engineering. Engineers who work with the public must also become licensed. To become a licensed architect, you will need to complete a master's degree in architecture, gain relevant experience through a paid internship and pass the Architect Registration Examination.

Key Area Engineering & Architecture Employers

- BHC Rhodes
- Black & Veatch Corporation
- BNIM
- Burns & McDonnell
- Garmin
- Gould Evans
- HDR, Inc.
- Henderson Engineers
- HNTB Corporation
- HOK
- Hollis & Miller Architects
- Honeywell
- Kiewit Corporation
- Populous
- SFS Architecture

Source: JobsEQ 2018 & Book of Lists 2016-2017

Education Programs

There are many education opportunities for students seeking careers in engineering and architecture. Below are some related degree programs offered by KC Scholars postsecondary institutions.

Baker University

- Engineering, B.S.

Johnson County Community College

- Drafting Technology, A.A.S.
- Electrical Technology, Certificate, A.A.S.

Kansas City, Kansas, Community College

- Drafting Technology, A.A.S.

Kansas State University

- Architectural Engineering, B.S., M.S.
- Architecture, M.S.
- Civil Engineering, B.S.
- Electrical Engineering, B.S.
- Engineering Management, M.S.
- Industrial Engineering, B.S.
- Mechanical Engineering, B.S.
- Mechanical Engineering Technology, B.S.

Lincoln University

- Civil Engineering, B.S.

Metropolitan Community College

- Engineering, A.A.S.
- Computer-Aided Drafting & Design, Certificate, A.A.S.

Missouri University of Science and Technology - Rolla

- Aerospace Engineering, Graduate Certificate, B.S., M.S.
- Architectural Engineering, Graduate Certificate, B.S.
- Chemical Engineering, B.S., M.S., Ph.D.
- Civil Engineering, Graduate Certificate, B.S., M.S., Ph.D.
- Construction Management, Graduate Certificate
- Construction Technology, B.S.
- Electrical Engineering, Graduate Certificate, B.S., M.S., Ph.D.
- Engineering, Graduate Certificate
- Engineering Administration, B.S., M.S., Ph.D.
- Manufacturing Engineering, Graduate Certificate, M.S., Ph.D.
- Materials Engineering, Graduate Certificate, B.S., M.S., Ph.D.
- Mechanical Engineering, Graduate Certificate, B.S., M.S., Ph.D.
- Mining Engineering, Graduate Certificate, B.S., M.S., Ph.D.
- Physics, B.S., M.S., Ph.D.

Rockhurst University

- Civil Engineering, B.S.
- Electrical Engineering, B.S.
- Mechanical Engineering, B.S.

University of Central Missouri

- Applied Lean Six Sigma, Certificate
- Design & Drafting Technology, B.S.
- Engineering Technology, B.S.
- Industrial management, M.S.
- Lean Six Sigma, Graduate Certificate

University of Kansas

- Architectural Engineering, B.S., M.S.
- Architecture, M.Arch, Ph.D.
- Architectural Studies, B.A.
- Architectural Design Management, M.A.
- Civil Engineering, M.C.E, B.S., M.S., Ph.D.
- Electrical Engineering, B.S., M.S., Ph.D.
- Engineering, Ph.D.
- Engineering Physics, B.S.
- Engineering Management, M.S.
- Mechanical Engineering, M.S., Ph.D.

University of Missouri - Columbia

- Architectural Studies, B.S.H.E.S., M.A., M.S.
- Civil Engineering, B.S.
- Electrical Engineering, BSEE, M.S.
- Industrial Engineering, B.S.
- Mechanical Engineering, B.S.

University of Missouri-Kansas City

- Civil Engineering, B.S., M.S., Ph.D.
- Construction Management, Graduate Certificate
- Electrical Engineering, B.S., M.S., Ph.D.
- Mechanical Engineering, B.S., M.S.
- Urban Planning & Design, B.A.

William Jewell College

- Civil Engineering, B.S.

