



Architecture & Construction

- ▶ CONSTRUCTION
- ▶ DESIGN/PRE-CONSTRUCTION
- ▶ MAINTENANCE/OPERATIONS

A career in architecture and construction requires certain skills and education depending on job requirements. Skills include designing, planning, managing, building, and maintaining the built environment.

Bachelor's Degree from Iowa Universities and Colleges	Sample Career	Salaries
Architecture	Architect	\$83,750
Civil Engineering	Civil Engineer	\$81,850
Industrial Design	Electronic Engineer	\$69,800
Industrial Engineer	Industrial Engineer	\$78,950
Construction Management	Construction and Building Inspector	\$62,130

**Additional Bachelor's Degrees include: Art & Design, Community & Regional Planning, Construction Engineering, Construction Management, Forestry, Graphic Design, Industrial Engineering, Industrial Technology, Interdisciplinary Design, Interior Design, Landscape Architecture, Materials Engineering*

Kirkwood Associate's Degree	Sample Career	Salaries
Architecture Technology	Architectural Drafter	\$50,900
CAD/Mechanical Engineering Technology	CAD Drafter	\$54,900
Construction Management	First Line Supervisor	\$61,200
Interior Design	Interior Designer	\$40,000

Kirkwood Diploma	Sample Career	Salaries
CAD/Mechanical Engineering Technology	Mechanical Engineering Technician	\$49,900
Carpentry	Carpenter	\$42,900
HVAC Installer	HVAC Installer	\$50,500
Plumbing Pre-Apprenticeship	Plumber (If followed by an apprenticeship)	\$50,200

Kirkwood Certificates	Sample Career	Salaries
Construction Estimator	Estimator	\$35,000
Construction Supervision Certificate	Construction Coordinator	\$50,950

Kirkwood Career Academies	Sample Career	Salaries
ACE: Construction Trades (Pre-Apprenticeship)	Entry Level Construction Laborer	\$37,050
ACE: Architectural and Engineering Design (Pre-Apprenticeship)	Design Assistant	\$30,100



**Information provided by Emsi National data and Kirkwood Community College Regional Talent Forecast Data – Nov. 2018*



High School Courses

Introduction to Architecture, Construction & Engineering
 Mechanical Drafting
 Construction Material Processing
 Metal Manufacturing
 Construction Technology
 Introduction to Engineering Design (IED)
 Principles of Engineering (POE)
 Digital Electronics (DE)

Civil Engineering and Architecture
 Chemistry I
 Physics I
 Physical Science Chemistry
 Physical Science Physics
 Human Anatomy & Physiology
 Biology
 AP Biology
 Chemistry II
 World Language

Intro to Computer Science
 Graphic Design
 Computer Science Engineering
 Computer Basics Applications
 Algebra I
 Geometry
 Algebra II
 Statistics I & II
 Trigonometry/Pre Calculus
 AP Calculus

High School Related Activities and Clubs

Internships
 Job Shadows