

ESTIMATED & PROJECTED EMPLOYMENT

Occupational Title	2014 Estimated Employment	2024 Projected Employment	2014-24 Employment Change	Annual Growth Rate (%)	Total Annual Openings
Total, All Occupations	1,795,100	1,949,240	154,140	0.9	58,145
Architecture & Engineering Occupations	19,925	21,300	1,375	0.7	625
Mechanical Engineers	2,465	2,670	205	0.8	100

Source: <https://www.iowaworkforcedevelopment.gov/occupational-projections>

2017 WAGE & SALARY (\$)

Occupational Title	Mean Wage	Mean Salary	Entry Wage	Entry Salary	Exp Wage	Exp Salary
Total All Occupations	20.93	43,539	10.09	20,991	26.35	54,813
Architecture & Engineering Occupations	33.39	69,442	21.12	43,934	39.52	82,195
Mechanical Engineers	36.55	76,027	24.79	51,567	42.43	88,258

Source: <https://www.iowaworkforcedevelopment.gov/occupational-employment-and-wages>

EDUCATION & TRAINING



Education	Work Experience	Job Training
Bachelor's Degree	None	None

A bachelor's degree is required for engineering positions. Licenses, certificates, and/or commissions may be required. Sources: <https://www.iowaworkforcedevelopment.gov/occupational-projections>, https://www.bls.gov/emp/ep_education_training_system.htm, and <https://www.iowaworkforcedevelopment.gov/iowa-licensed-occupations>

NATIONAL CAREER READINESS CERTIFICATE (NCRC)

Skill	Median Skill Level	Minimum Skill Level	Maximum Skill Level
Applied Mathematics	6	4	7
Locating Information	6	6	6
Reading for Information	6	6	7
Applied Technology	6	5	6
Business Writing	3	3	4
Workplace Observation	4	3	4
Listening for Understanding	3	3	4

An ACT assessment-based credential issued in determining essential work skills needed for employment success across industries and occupations. The greater the score, the greater the skill level (Bronze = 3, Silver = 4, Gold = 5, Platinum = 6 & higher). Source: <http://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html>

PRIMARY INDUSTRY SECTORS

(Where are Mechanical Engineers Employed?)

Machinery Mfg
 Computer and Electronic Product Mfg
 Management of Companies
 Transportation Equipment Mfg
 Fabricated Metal Product Mfg
 Electrical Equipment, Appliance, & Component Mfg
 Professional, Scientific, & Technical
 Self Employed
 Chemical Mfg

Source: <https://www.iowaworkforcedevelopment.gov/occupational-projections>

ADDITIONAL SOURCES:

This workforce product was funded by a grant by the U.S. Department of Labor's Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner. This publication was produced by the Labor Market and Workforce Information Division of Iowa Workforce Development. Updates, revisions, and/or corrections made periodically. Inquiries may be directed to Brent Paulson at 515.281.3439 or Brent.Paulson@iwd.iowa.gov. Visit www.iowalmi.gov to obtain the latest workforce data and trends including this document. Published 9/2017.