

ESTIMATED & PROJECTED EMPLOYMENT

Occupational Title	2012 Estimated Employment	2022 Projected Employment	2012-22 Employment Change	Annual Growth Rate (%)	Total Annual Openings
Total, All Occupations	1,758,205	1,955,480	197,275	1.1	61,665
Architecture & Engineering Occupations	18,715	20,165	1,450	0.8	590
Mechanical Engineers	2,420	2,605	190	0.8	100

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0>

2015 WAGE & SALARY (\$)

Occupational Title	Average Wage	Average Salary	Entry Wage	Entry Salary	Experienced Wage	Experienced Salary
Total, All Occupations	19.77	41,122	9.55	19,858	24.88	51,755
Architecture & Engineering Occupations	32.37	67,338	20.81	43,279	38.16	79,368
Mechanical Engineers	35.43	73,699	24.69	51,353	40.80	84,873

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0>

EDUCATION & TRAINING

Education	Work Experience	Job Training
Bachelor's Degree	None	None

A bachelor's degree in engineering is required for almost all entry-level engineering jobs. College graduates with a degree in a natural science or mathematics occasionally may qualify for some engineering jobs, especially in specialties in high demand. Graduate training is essential for engineering faculty positions and many research and development programs, but is not required for the majority of entry-level engineering jobs. All 50 states and the District of Columbia require licensure for engineers who offer their services directly to the public. Engineers who are licensed are called professional engineers (PE). This licensure generally requires a degree from an Accreditation Board for Engineering and Technology (ABET) engineering program, four years of relevant work experience, and successful completion of a state examination. Iowa's Engineering and Land Surveying Examining Board at http://access.bridges.com/ext/cp/custom_state_data/iowa_licensed_occupations/17-2021.htm provides additional information.

Source: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0> and <https://secure.ihaveaplaniowa.gov/>

NATIONAL CAREER READINESS CERTIFICATE (NCRC)

Skill	Median Skill Level
Applied Mathematics	4
Locating Information	5
Reading for Information	4



This ACT-developed credential demonstrates achievement and a certain level of workplace employability skills. The greater the score, the greater the skill level (Bronze = 3, Silver = 4, Gold = 5, Platinum = 6).

Source: <http://www.act.org/workkeys/analysis/occup.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: <http://www.iowaworkforcedevelopment.gov/occupational-projections-0>

ADDITIONAL SOURCES:

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