

Occupational Profile



Medical Equipment Repairers



IS THIS FOR YOU?

Work Interests are described in the following categories (compatible with Holland's Model) by people who tend to succeed in this career:

- **Conventional**—You are an “organizer”. Keeping things neat and organized is important to you. You like working with charts and reports, and work well with power and authority.
- **Investigative**—You are a “thinker”. When you have a problem, you like to analyze it and look at different ways to solve it. You like to work by yourself, and you don't like explaining your ideas to other people.
- **Realistic** – You are a “doer”. You like physical activities and projects. You like to find the answers to problems by doing hands-on work instead of talking about solutions.

Work Values are aspects of work that are satisfying to you. The following work values are generally associated with this career.

- **Independence**—It's very important to you that your work allows you make decisions on your own. You want to try out your own ideas and work with little supervision.
- **Relationships**—it's very important to you that you have friendly co-workers. You would like to be of service to others without compromising your sense of right and wrong.
- **Working Conditions**—It's very important to you that your work satisfies your needs in areas like salary, job security and your working style preferences, such as working alone, staying busy all the time or having variety in your work tasks.
- **Support** – It's very important to you to know the company stands behind its workers and has competent, considerate and fair management.

Aptitudes reflect a person's ability to acquire skills and knowledge. The following aptitudes are important for success in the career:

- **General Learning Ability**
- **Spatial Perception**
- **Form Perception**
- **Finger Dexterity**
- **Manual Dexterity**

WHAT THEY DO

Installs, dismantles, or moves machinery and heavy equipment according to layout plans, blueprints, or other drawings. Belongs to the Manufacturing cluster and Maintenance, Installation and Repair pathway.

Basic Skills:

- Reading Comprehension
- Critical Thinking
- Active Learning
- Monitoring

Transferable Skills (applicable in other careers): Medium level

- Following manufacturing blueprints and diagrams
- Following written repair work orders
- Observing and diagnosing electrical/electronic problems
- Repairing electrical/electronic objects
- Repairing mechanical objects
- Using electrical/electronic testing instruments
- Using instrument repair tools
- Using precision measuring instruments
- Using welding and soldering machines and equipment

Workplace Skills:

High level

- Equipment Maintenance
- Repairing
- Troubleshooting

Medium level

- Complex Problem Solving
- Equipment Selection
- Judgment and Decision Making
- Operation and Control
- Operation Monitoring
- Quality Control Analysis
- Systems Analysis

Additional skills for this occupation may be found at <http://www.iowaworkforcedevelopment.gov/career-exploration-resources>

Source: <https://secure.ihaveaplaniowa.gov/>

SKILLS YOU NEED

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
Installation, Maintenance, & Repair Occupations	68,585	76,810	8,225	1.2	2,420
Medical Equipment Repairers	480	645	165	3.4	30

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
Installation, Maintenance, & Repair Occupations	20.43	42,500	13.17	27,387	24.07	50,056
Medical Equipment Repairers	22.32	46,422	14.98	31,158	25.99	54,055

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

EDUCATION & TRAINING

Education	Work Experience	Job Training
Associate's Degree	None	Moderate-Term On-The-Job

Education requirements for medical equipment repairers vary, depending on a worker's experience and area of specialization. However, the most common education is an associate's degree in biomedical equipment technology or engineering. Those who repair less-complicated equipment, such as hospital beds and electric wheelchairs, may learn entirely through on-the-job training, sometimes lasting up to 1 year. Others, particularly those who work on more sophisticated equipment, such as CAT scanners and defibrillators, may need a bachelor's degree.

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

NATIONAL CAREER READINESS CERTIFICATE (NCRC)

Skill	Median Skill Level
Applied Mathematics	3
Locating Information	4
Reading for Information	3

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 Medical Equipment Repairers Employed?)

Hospitals
Merchant Wholesalers
Rental
Education
Self Employed
Health and Personal Care Stores
Repair and Maintenance

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

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. Revisions and/or corrections made when necessary. 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 12/2015.

