**Auto Mechanics**

**WHAT THEY DO**

**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:
- **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.
- **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.

**Work Values** are aspects of work that are satisfying to you. The following work values are generally associated with this career:
- **Achievement**—It’s very important to you that your work allows you to use your best abilities. You want to see the results of your work and get a feeling of accomplishment.
- **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 tasks.

**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**
- **Clerical perception**
- **Eye-hand Coordination**

Source: [https://secure.ihaveaplaniowa.gov/](https://secure.ihaveaplaniowa.gov/)

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**Occupational Profile**

**SKILLS YOU NEED**

**Basic Skills:**
- Reading Comprehension
- Active Listening
- Speaking
- Critical Thinking
- Active Learning
- Monitoring

**Transferable Skills** (applicable in other careers):

**Medium level**
- Following written repair work orders
- Observing and diagnosing mechanical problems
- Operating computerized diagnostic equipment in mechanics
- Repairing mechanical objects
- Using electrical/electronic testing instruments
- Using mechanics hand and power tools

**Workplace Skills:**

**High level**
- Troubleshooting

**Medium level**
- Complex Problem Solving
- Coordination
- Equipment Maintenance
- Equipment Selection
- Installation
- Instructing
- Judgment and Decision Making
- Operation and Control
- Operation Monitoring
- Quality Control Analysis
- Repairing
- Technology Design
- Time Management

Additional skills for this occupation may be found at [http://www.iowaworkforcedevelopment.gov/career-exploration-resources](http://www.iowaworkforcedevelopment.gov/career-exploration-resources)
**ESTIMATED & PROJECTED EMPLOYMENT**

<table>
<thead>
<tr>
<th>Occupational Title</th>
<th>2012 Estimated Employment</th>
<th>2022 Projected Employment</th>
<th>2012-22 Employment Change</th>
<th>Annual Growth Rate (%)</th>
<th>Total Annual Openings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, All Occupations</td>
<td>1,758,205</td>
<td>1,855,480</td>
<td>197,275</td>
<td>1.1</td>
<td>61,665</td>
</tr>
<tr>
<td>Installation, Maintenance, &amp; Repair Occupations</td>
<td>68,585</td>
<td>76,810</td>
<td>8,225</td>
<td>1.2</td>
<td>2,420</td>
</tr>
<tr>
<td>Automotive Service Technicians &amp; Mechanics</td>
<td>9,795</td>
<td>10,875</td>
<td>1,080</td>
<td>1.1</td>
<td>355</td>
</tr>
</tbody>
</table>

Source: [http://www.iowaworkforcedevelopment.gov/occupational-projections-0](http://www.iowaworkforcedevelopment.gov/occupational-projections-0)

**2015 WAGE & SALARY ($)**

<table>
<thead>
<tr>
<th>Occupational Title</th>
<th>Average Salary</th>
<th>Average Wage</th>
<th>Entry Salary</th>
<th>Entry Wage</th>
<th>Experienced Salary</th>
<th>Experienced Wage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, All Occupations</td>
<td>19.77</td>
<td>41,122</td>
<td>9.55</td>
<td>19,888</td>
<td>24.88</td>
<td>51,755</td>
</tr>
<tr>
<td>Installation, Maintenance, &amp; Repair Occupations</td>
<td>20.43</td>
<td>42,500</td>
<td>13.17</td>
<td>27,387</td>
<td>24.07</td>
<td>50,056</td>
</tr>
<tr>
<td>Automotive Service Technicians &amp; Mechanics</td>
<td>18.29</td>
<td>38,047</td>
<td>11.38</td>
<td>23,671</td>
<td>21.75</td>
<td>45,235</td>
</tr>
</tbody>
</table>

Source: [http://www.iowaworkforcedevelopment.gov/occupational-projections-0](http://www.iowaworkforcedevelopment.gov/occupational-projections-0)

**EDUCATION & TRAINING**

Automotive technology is rapidly becoming more sophisticated, and most employers prefer applicants who have completed a formal training program in automotive body repair or refinishing. Most new repairers complete at least part of this training on the job. Many repairers, particularly in urban areas, need a national certification to advance past entry-level work. A high school diploma or GED is often all that is required to enter this occupation, but more specific education and training is needed to learn how to repair newer automobiles. Collision repair programs may be offered in high school or in postsecondary vocational schools and community colleges. Trade and technical school programs typically award certificates to graduates after 6 months to a year of collision repair study. Some community colleges offer 2-year programs in collision repair. Many of these schools also offer certificates for individual courses, so that students are able to take classes incrementally or as needed. Generally, it takes 3 to 4 years of hands-on training to become skilled in all aspects of body repair. Approved apprenticeship programs/sponsors in Iowa can be found at [http://access.bridges.com/ext/cp/custom_state_data/iowa_apprenticeship/4930230.htm](http://access.bridges.com/ext/cp/custom_state_data/iowa_apprenticeship/4930230.htm) and [https://secure.ihaveaplaniowa.gov/](https://secure.ihaveaplaniowa.gov/)

**NATIONAL CAREER READINESS CERTIFICATE (NCRC)**

<table>
<thead>
<tr>
<th>Skill</th>
<th>Median Skill Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Locating Information</td>
<td>4</td>
</tr>
<tr>
<td>Reading for Information</td>
<td>4</td>
</tr>
</tbody>
</table>

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](http://www.act.org/workkeys/analysis/occup.html)

**PRIMARY INDUSTRY SECTORS**

(Where are Auto Mechanics Employed?)

Motor Vehicle and Parts Dealers
Repair and Maintenance
Self Employed
Gasoline Stations
State Government

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**ADDITIONAL SOURCES:**

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