Electricians

What They Do
Install, maintain and repair electrical power, communications, lighting and control systems in homes, businesses and factories. They may install or service anything with electrical power, ranging from an outlet in a home to the entire electrical system of a large industrial business. They must follow relevant codes.

Is This For You?
Work Interests are described in the following categories (compatible with Holland’s Model). People who tend to succeed in this career are:

Realistic (Doers) — Prefer to work with objects, things, machines, tools, plants or animals. They have mechanical ability, enjoy being outdoors and working with their hands.

Investigative (Thinkers) — Interested in science and logic. They like to analyze, evaluate and solve problems, and enjoy learning and understanding the causes of events.

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

Independence — Work on their own and make decisions.

Support — Offer supportive management that stands behind employees.

Achievement — Results oriented and allow employees to use their strongest abilities, giving them a feeling of accomplishment.

Abilities reflect a person’s aptitude to acquire skills and knowledge. The following abilities are important for success in the career.

- Problem Sensitivity
- Deductive Reasoning
- Inductive Reasoning
- Near Vision
- Oral Comprehension
- Visual Color Discrimination

Standard Occupational Code 47-2111
Basic Skills You Need

- Troubleshooting
- Repairing
- Active Listening
- Critical Thinking

Education & Training

Some postsecondary education in an electrician program is recommended for this occupation. A registered apprenticeship is another option for preparing for this occupation. To learn more, visit StartTodaySD.com to be connected with a staff person at your nearest Job Service office who can help you get started.

Electricians in South Dakota must be licensed by the South Dakota Electrical Commission. For more information, visit http://dlr.sd.gov/electrical.

Recommended Levels* for the National Career Readiness Certificate

- Applied Math 4
- Workplace Documents 5
- Graphic Literacy 5

*Using the median skill level.

Where They Work

The South Dakota industries which employ the largest number of electricians are:

- Specialty Trade Contractors
- Self Employment
- Transportation Equipment Manufacturing
- Utilities

South Dakota Employment & Wages

<table>
<thead>
<tr>
<th>2018 Workers</th>
<th>2028 Workers</th>
<th>Numeric Change</th>
<th>Percent Change</th>
<th>Average Annual Demand for Workers</th>
<th>Annual Median Wage</th>
<th>Annual Average Wage</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,464</td>
<td>2,696</td>
<td>232</td>
<td>9.4%</td>
<td>322</td>
<td>$45,686</td>
<td>$46,535</td>
</tr>
</tbody>
</table>

Additional References

- Labor Market Information Center
  www.dlr.sd.gov/lmic
- Career OneStop
  www.careeronestop.org
- O*Net Online
  www.onetonline.org
- mySkills myFuture
  https://www.myskillsmyfuture.org/

Provided By

Labor Market Information Center
SD Department of Labor & Regulation
605.626.2314

Visit dlr.sd.gov/hotcareers to obtain the most recent workforce data and trends and more resources, including this document. Also available are explanations of the terms used in this occupational profile.

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