ACT Industry Readiness Profile: Foundational Skills for Utilities Careers

Utilities Careers

The transportation and warehousing sector comprises establishments engaged in the provision of the following utility services: electric power, natural gas, steam supply, water supply, and sewage removal.

<table>
<thead>
<tr>
<th>SOC Code</th>
<th>Occupation Title</th>
<th>2018 Employment</th>
<th>Median Applied Math</th>
<th>Median Graphic Literacy</th>
<th>Median Workplace Documents</th>
<th>2018 Mean Annual Wages</th>
</tr>
</thead>
<tbody>
<tr>
<td>49-9051</td>
<td>Electrical power-line installers and repairers</td>
<td>57,500</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$70,240</td>
</tr>
<tr>
<td>43-4051</td>
<td>Customer service representatives</td>
<td>30,000</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$36,470</td>
</tr>
<tr>
<td>51-8013</td>
<td>Power plant operators</td>
<td>24,800</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>$78,030</td>
</tr>
<tr>
<td>49-9012</td>
<td>Control and valve installers and repairers, except mechanical d</td>
<td>20,000</td>
<td>3</td>
<td>4</td>
<td>3</td>
<td>$57,890</td>
</tr>
<tr>
<td>17-2071</td>
<td>Electrical engineers</td>
<td>19,600</td>
<td>7</td>
<td>6</td>
<td>6</td>
<td>$101,600</td>
</tr>
<tr>
<td>49-1011</td>
<td>First-line supervisors of mechanics, installers, and repairers</td>
<td>19,200</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>$69,320</td>
</tr>
<tr>
<td>49-2095</td>
<td>Electrical and electronics repairers, powerhouse, substation, at</td>
<td>15,300</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$80,040</td>
</tr>
<tr>
<td>51-8031</td>
<td>Water and wastewater treatment plant and system operators</td>
<td>14,500</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$49,490</td>
</tr>
<tr>
<td>51-1011</td>
<td>First-line supervisors of production and operating workers</td>
<td>12,900</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$64,340</td>
</tr>
<tr>
<td>11-1021</td>
<td>General and operations managers</td>
<td>12,500</td>
<td>5</td>
<td>5</td>
<td>5</td>
<td>$123,880</td>
</tr>
<tr>
<td>43-5041</td>
<td>Meter readers, utilities</td>
<td>11,600</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>$44,640</td>
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<tr>
<td>49-9041</td>
<td>Industrial machinery mechanics</td>
<td>10,700</td>
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<td>4</td>
<td>4</td>
<td>$54,000</td>
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<tr>
<td>43-9061</td>
<td>Office clerks, general</td>
<td>10,200</td>
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<td>4</td>
<td>4</td>
<td>$35,200</td>
</tr>
<tr>
<td>13-1199</td>
<td>Business operations specialists, all other</td>
<td>8,700</td>
<td>4</td>
<td>4</td>
<td>5</td>
<td>$76,960</td>
</tr>
<tr>
<td>43-1011</td>
<td>First-line supervisors of office and administrative support work</td>
<td>8,300</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$59,340</td>
</tr>
<tr>
<td>47-2111</td>
<td>Electricians</td>
<td>7,900</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>$59,190</td>
</tr>
<tr>
<td>51-8012</td>
<td>Power distributors and dispatchers</td>
<td>7,700</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$85,340</td>
</tr>
<tr>
<td>49-9071</td>
<td>Maintenance and repair workers, general</td>
<td>7,400</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$41,020</td>
</tr>
<tr>
<td>43-6014</td>
<td>Secretaries and administrative assistants</td>
<td>7,300</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>$38,030</td>
</tr>
<tr>
<td>13-1111</td>
<td>Management analysts</td>
<td>7,000</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$94,390</td>
</tr>
<tr>
<td>13-2011</td>
<td>Accountants and auditors</td>
<td>7,000</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>$78,820</td>
</tr>
<tr>
<td>47-2152</td>
<td>Plumbers, pipefitters, and steamfitters</td>
<td>6,600</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$58,150</td>
</tr>
<tr>
<td>17-2161</td>
<td>Nuclear engineers</td>
<td>6,200</td>
<td>7</td>
<td>6</td>
<td>6</td>
<td>$110,790</td>
</tr>
<tr>
<td>51-8092</td>
<td>Gas plant operators</td>
<td>6,000</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$71,470</td>
</tr>
<tr>
<td>15-1121</td>
<td>Computer systems analysts</td>
<td>5,800</td>
<td>5</td>
<td>5</td>
<td>4</td>
<td>$93,610</td>
</tr>
<tr>
<td>17-3023</td>
<td>Electrical and electronics engineering technicians</td>
<td>5,700</td>
<td>4</td>
<td>5</td>
<td>5</td>
<td>$65,050</td>
</tr>
<tr>
<td>33-9032</td>
<td>Security guards</td>
<td>5,400</td>
<td>3</td>
<td>4</td>
<td>4</td>
<td>$32,050</td>
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<tr>
<td>51-8011</td>
<td>Nuclear power reactor operators</td>
<td>5,100</td>
<td>4</td>
<td>5</td>
<td>4</td>
<td>$95,310</td>
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<tr>
<td>11-9041</td>
<td>Architectural and engineering managers</td>
<td>4,700</td>
<td>7</td>
<td>5</td>
<td>7</td>
<td>$148,970</td>
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<tr>
<td>43-3031</td>
<td>Bookkeeping, accounting, and auditing clerks</td>
<td>4,700</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>$42,040</td>
</tr>
</tbody>
</table>

About the Data
US Wage and employment data are from the U.S. Bureau of Labor Statistics Employment Projections 2018-2028 and Occupational Employment Statistics, May 2018. Foundational skill levels are derived from ACT’s job profile database which includes over 22,000 job analyses for occupations across a diverse array of industries and occupations. Foundational skill levels are presented for three WorkKeys® cognitive skills – Workplace Documents, Applied Math, and Graphic Literacy for selected groups of targeted occupations over the next 8-10 years. These three skills have been consistently identified as important for success in a broad range of jobs. Additional data for skill levels for other WorkKeys cognitive assessments can be found at: http://profiles.keytrain.com/profile_search/.

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