Environmental engineers develop techniques to recover usable materials and reduce waste created during manufacture of a product, including energy. Environmental engineers also design air pollution control for power companies and may also be responsible for monitoring systems in a facility for compliance with environmental regulations.

### What will you do?

#### ENTRY LEVEL
- Responsible for performing entry-level engineering analysis
- Design, plan, review, and inspection for small to medium projects or designated segments of larger, more complex projects
- Application of professional engineering concepts, principles, practices, and methods to perform a broad range of engineering activities in a variety of work environments
- Work under guidance of an experienced engineer
- Initial work is reviewed for technical soundness, appropriateness, and compliance with standard engineering practices

#### 3+ YEARS
- Responsible for and/or lead others in performing engineering analysis
- Design, plan, review, and inspection for moderately complex/major projects
- Application of advanced engineering concepts, principles, practices, and methods to perform a broad range of engineering activities in a variety of work environments
- Resolve new and unusual problems and recommend solutions to unique circumstances and situations
- Regular contact with individuals in internal and external leadership positions to influence and motivate others to achieve project objectives

#### 5-10+ YEARS
- Serve as team leader in performing engineering analysis
- Design, plan, review, and inspection for complex projects among varying disciplines
- Manage multiple projects at one time

### What competencies do you need?

<table>
<thead>
<tr>
<th>LEVEL</th>
<th>Competencies</th>
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</thead>
<tbody>
<tr>
<td>ENTRY LEVEL</td>
<td>Critical thinking, Problem solving, Print reading, Project planning, Teamwork, Knowledge and application of new technologies, Knowledge of legislative and regulatory functions and industry standards</td>
</tr>
<tr>
<td>3+ YEARS</td>
<td>Critical thinking, Problem solving, Project planning, Troubleshooting, Teamwork, Communication skills, New project design, Development of short- and long-term plans</td>
</tr>
<tr>
<td>5-10+ YEARS</td>
<td>Critical thinking, Problem solving, Project planning, Teamwork, Communication skills, Supervisory skills, Leadership skills</td>
</tr>
</tbody>
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