Why is Engineering a Good Career Choice?

• Full of exciting challenges ●

Grand Challenges for Engineering in the 21st Century

- Make solar energy economical
- Engineer better medicines
- Provide access to clean water
- Restore and improve urban infrastructures
- Reverse-engineer the brain
- Secure cyberspace
- Advance personalized learning
- Provide energy from fusion
- Manage the nitrogen cycle
- Develop carbon sequestration methods
- Advance health informatics
- Prevent nuclear terror
- Enhance virtual reality
- Engineer the tools of scientific discovery

• Broad and diverse – combines mathematics, science and technology ●

Degrees: From Civil to Electrical, Chemical to Biomedical – there are over 40 engineering degrees.

Type of Work: Research, Analysis, Product Development, Design, Manufacturing, Quality, Sales, Management – the list goes on!


Size of Company: From less than 10 employees to more than 100,000 employees – and everything in between.

• Great starting salaries $$$$ ●

Engineers have significantly higher starting salaries than other college graduates with bachelor's degrees. In fact, they had 11 of the 15 top-earning bachelor’s degrees in 2016.

<table>
<thead>
<tr>
<th>Petroleum Engineering</th>
<th>$96,700</th>
<th>Nuclear Engineering</th>
<th>$68,500</th>
<th>Computer Science (CS) &amp; Mathematics</th>
<th>$63,500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Systems Engineering</td>
<td>$66,400</td>
<td>Electronics &amp; Communications Engineering</td>
<td>$68,000</td>
<td>Physics and Mathematics</td>
<td>$56,200</td>
</tr>
<tr>
<td>Actuarial Science</td>
<td>$60,800</td>
<td>Electrical &amp; Computer Engineering (ECE)</td>
<td>$68,100</td>
<td>Applied Mathematics</td>
<td>$56,100</td>
</tr>
<tr>
<td>Chemical Engineering</td>
<td>$69,800</td>
<td>Aeronautical Engineering</td>
<td>$63,000</td>
<td>Electrical Engineering (EE)</td>
<td>$67,000</td>
</tr>
<tr>
<td>Computer Science (CS) &amp; Engineering</td>
<td>$71,200</td>
<td>Computer Engineering (CE)</td>
<td>$69,600</td>
<td>Electrical &amp; Electronics Engineering (EEE)</td>
<td>$64,000</td>
</tr>
</tbody>
</table>


• Work with other talented people ●

Engineering is a team effort. Engineers work on projects with experts in many different fields, and with people from different backgrounds, even different countries. Good collaboration skills and communication skills are valued. Over 2 million men and women can’t be wrong!