When did you graduate?

<table>
<thead>
<tr>
<th>Year Range</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>2005-2003</td>
<td>15</td>
</tr>
<tr>
<td>2002-2000</td>
<td>12</td>
</tr>
<tr>
<td>1999-1997</td>
<td>9</td>
</tr>
<tr>
<td>1996-1994</td>
<td>14</td>
</tr>
<tr>
<td>1993-1991</td>
<td>5</td>
</tr>
<tr>
<td>1990-1988</td>
<td>7</td>
</tr>
<tr>
<td>Prior to 1988</td>
<td>0</td>
</tr>
</tbody>
</table>

The chart above illustrates the distribution of graduation years among the respondents.
What type of position do you currently hold?

<table>
<thead>
<tr>
<th>Technical</th>
<th>Technical / Project Management</th>
<th>Management</th>
<th>Student (Full-Time)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>4</td>
<td>15</td>
<td>2</td>
<td>4</td>
</tr>
</tbody>
</table>

- consulting: 1
- self employed: 1
- pilot: 1
- unspecified: 1
Are you registered as P.E? What year?

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>11</td>
<td>47</td>
</tr>
</tbody>
</table>

58
Can you tell us something about your organization?

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Municipal</td>
<td>8</td>
</tr>
<tr>
<td>Federal</td>
<td>1</td>
</tr>
<tr>
<td>State</td>
<td>21</td>
</tr>
<tr>
<td>Large Industry</td>
<td>9</td>
</tr>
<tr>
<td>Small Industry</td>
<td>17</td>
</tr>
<tr>
<td>Other (please specify)</td>
<td>1</td>
</tr>
</tbody>
</table>

Example organizations:
- Utility
- Bechtel SAIC
- US Army
- University
- Consulting engineering
- Non profit small
- Sole proprietor ship
- Utility Electric
- Utility - Investor owned government
- Gov't contractor
- Large Mining
- Small civil consultant
- General Contractor

Can you tell us something about your organization?

![Bar chart showing the distribution of organization types.](chart.png)
Can you tell us something about your activities?

<table>
<thead>
<tr>
<th>HVAC</th>
<th>Power Generation</th>
<th>R&amp;D</th>
<th>Equipment</th>
<th>Plumbing</th>
<th>Other (please specify)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>8</td>
<td>16</td>
<td>7</td>
<td>7</td>
<td>27</td>
</tr>
</tbody>
</table>

- Auto Manufacturing: 1
- Process/Plant Engineer: 1
- Auto parts: 2
- Information research: 1
- Information Technology: 1
- Accident Investigation: 1
- Marketing Director: 1
- Maintenance at Vehicles: 1
- Satellite Manufacturing: 1
- Fire protection Engineering: 1
- Nuclear Repository: 1
- Electrical Engineering-Buildings, Parks: 1
- Testing Yucca mnt: 1
- Account Management: 1
- Process Management: 1
- Aerospace Technical Management: 1
- Automation and control: 1
- Animation: 1
- Electrical: 1
- Product support: 1
- Faculty member Mechanical engineering: 1
- Maintenance (process): 1
- Acoustics: 1
- Construction management: 1
- Entertainment design and fabrication: 1
- Design FEA: 1
## Educational Outcomes

Your studies in UNLV helped you develop the following capabilities:

<table>
<thead>
<tr>
<th>Capability</th>
<th>strongly agree</th>
<th>agree</th>
<th>neutral</th>
<th>disagree</th>
<th>strongly disagree</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>A fundamental knowledge of state-of-the-art and evolving areas associated with the mechanical engineering field</td>
<td>8</td>
<td>33</td>
<td>14</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>The ability to design and conduct experiments, analyze data, and utilize statistical methods</td>
<td>15</td>
<td>34</td>
<td>7</td>
<td>2</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>The ability to solve open-ended design problems</td>
<td>13</td>
<td>40</td>
<td>4</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The ability to use computers in solving engineering problems</td>
<td>16</td>
<td>34</td>
<td>7</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The ability to mathematically model and analyze engineering systems</td>
<td>18</td>
<td>26</td>
<td>12</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Oral and written presentation of technical information</td>
<td>14</td>
<td>31</td>
<td>10</td>
<td>2</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Introductory knowledge of economics</td>
<td>13</td>
<td>25</td>
<td>15</td>
<td>3</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Working on multi-disciplinary team with peers</td>
<td>14</td>
<td>28</td>
<td>9</td>
<td>6</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Motivation to pursue life-long learning</td>
<td>16</td>
<td>23</td>
<td>17</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A commitment to professional and ethical behavior in the workplace</td>
<td>17</td>
<td>28</td>
<td>11</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>An awareness of world affairs and cultures</td>
<td>6</td>
<td>16</td>
<td>22</td>
<td>8</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Recognition of the impact of engineering on local and global societies</td>
<td>8</td>
<td>20</td>
<td>19</td>
<td>8</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Seeking professional licensure</td>
<td>10</td>
<td>24</td>
<td>16</td>
<td>2</td>
<td>1</td>
<td>4</td>
</tr>
</tbody>
</table>

Number of respondents: 58

Number of respondents: 57
Your studies in UNLV helped you develop the following capabilities:

- A fundamental knowledge of state-of-the-art and evolving areas associated with the mechanical engineering field
- The ability to design and conduct experiments, analyze data, and utilize statistical methods
- The ability to solve open-ended design problems
- The ability to use computers in solving engineering problems
- The ability to mathematically model and analyze engineering systems
- Oral and written presentation of technical information
- Introductory knowledge of economics

Additional capabilities:

- Working on multidisciplinary team with peers
- Motivation to pursue lifelong learning
- A commitment to professional and ethical behavior in the workplace
- An awareness of world affairs and cultures
- Recognition of the impact of engineering on local and global societies
- Seeking professional licensure
General Performance

<table>
<thead>
<tr>
<th>Areas</th>
<th>strongly agree</th>
<th>agree</th>
<th>neutral</th>
<th>disagree</th>
<th>strongly disagree</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics</td>
<td>22</td>
<td>31</td>
<td>4</td>
<td></td>
<td>1</td>
<td>58</td>
</tr>
<tr>
<td>Thermal Sciences</td>
<td>17</td>
<td>27</td>
<td>11</td>
<td>2</td>
<td>1</td>
<td>58</td>
</tr>
<tr>
<td>Fluid Mechanics</td>
<td>16</td>
<td>28</td>
<td>8</td>
<td>2</td>
<td>4</td>
<td>58</td>
</tr>
<tr>
<td>Materials / Mechanical Design</td>
<td>15</td>
<td>34</td>
<td>7</td>
<td></td>
<td>2</td>
<td>58</td>
</tr>
<tr>
<td>Dynamics / Automatic Control</td>
<td>8</td>
<td>30</td>
<td>11</td>
<td>6</td>
<td>1</td>
<td>58</td>
</tr>
<tr>
<td>Computer Skills</td>
<td>18</td>
<td>24</td>
<td>12</td>
<td>4</td>
<td>0</td>
<td>58</td>
</tr>
<tr>
<td>3-D Design / Engineering Drawings</td>
<td>5</td>
<td>15</td>
<td>18</td>
<td>4</td>
<td>3</td>
<td>58</td>
</tr>
<tr>
<td>Evaluation of Engineering Systems</td>
<td>10</td>
<td>23</td>
<td>19</td>
<td>5</td>
<td>1</td>
<td>58</td>
</tr>
<tr>
<td>Propose Innovative Solution to Engineering Problems</td>
<td>8</td>
<td>30</td>
<td>17</td>
<td>2</td>
<td>1</td>
<td>58</td>
</tr>
<tr>
<td>Communication Skills</td>
<td>8</td>
<td>27</td>
<td>17</td>
<td>6</td>
<td></td>
<td>58</td>
</tr>
<tr>
<td>Willingness to Work through Challenging Problems</td>
<td>16</td>
<td>36</td>
<td>5</td>
<td>1</td>
<td></td>
<td>58</td>
</tr>
<tr>
<td>Effectiveness in Teams</td>
<td>13</td>
<td>29</td>
<td>11</td>
<td>4</td>
<td>1</td>
<td>58</td>
</tr>
<tr>
<td>Ability to Handle Peer Criticism of Their Projects or Designs</td>
<td>12</td>
<td>27</td>
<td>11</td>
<td>5</td>
<td>1</td>
<td>58</td>
</tr>
<tr>
<td>Leadership Skills</td>
<td>7</td>
<td>22</td>
<td>18</td>
<td>8</td>
<td>1</td>
<td>58</td>
</tr>
<tr>
<td>Involvement in Professional Organizations</td>
<td>11</td>
<td>25</td>
<td>15</td>
<td>6</td>
<td>1</td>
<td>58</td>
</tr>
<tr>
<td>Others (Please specify)</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>professional development</td>
</tr>
</tbody>
</table>

*representing MEG department at different events and seminars.

*
Your studies in UNLV helped you gain proficiency in the following areas:

### Mathematics
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Thermal Sciences
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Fluid Mechanics
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Materials / Mechanical Design
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Dynamics / Automatic Control
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Computer Skills
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### 3-D Design / Engineering Drawings
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Evaluation of Engineering Systems
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

---

Your studies in UNLV helped you gain proficiency in the following areas:

### Propose Innovative Solution to Engineering Problems
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Communication Skills
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Willingness to Work through Challenging Problems
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Effectiveness in Teams
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Ability to Handle Peer Criticism of Their Projects or Designs
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Leadership Skills
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]

### Involvement in Professional Organizations
- Strongly agree: [ ]
- Agree: [ ]
- Neutral: [ ]
- Disagree: [ ]
- Strongly disagree: [ ]
- Not applicable: [ ]
**Preparation**

<table>
<thead>
<tr>
<th></th>
<th>much more prepared</th>
<th>more prepared</th>
<th>same level of preparedness</th>
<th>less prepared</th>
<th>much less prepared</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you consider that studying at UNLV made you prepared to enter the workforce compared to graduates of other universities?</td>
<td>3</td>
<td>18</td>
<td>33</td>
<td>3</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Please use the space below to comment on the above question.

---

**Diagram:**

```
<table>
<thead>
<tr>
<th>Perception of Preparedness</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Much more prepared</td>
<td>3</td>
</tr>
<tr>
<td>More prepared</td>
<td>18</td>
</tr>
<tr>
<td>Same level of preparedness</td>
<td>33</td>
</tr>
<tr>
<td>Less prepared</td>
<td>3</td>
</tr>
<tr>
<td>Much less prepared</td>
<td>1</td>
</tr>
<tr>
<td>Not applicable</td>
<td>1</td>
</tr>
</tbody>
</table>
```
Do you feel that studying at UNLV made you motivated to gain professional registration?

<table>
<thead>
<tr>
<th></th>
<th>very motivated</th>
<th>slightly motivated</th>
<th>neutral</th>
<th>slightly unmotivated</th>
<th>not motivated at all</th>
<th>not applicable</th>
</tr>
</thead>
<tbody>
<tr>
<td>Do you feel that</td>
<td>13</td>
<td>22</td>
<td>16</td>
<td>1</td>
<td>2</td>
<td>4</td>
</tr>
<tr>
<td>studying at UNLV</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>made you motivated</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>to gain professional</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>registration?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Please use the space below to comment on the above question.