Fall 2018

Senior Exit Survey

\[ n = 99 \]

Student Self-Reported Confidence and Importance for COSC Student Learning Outcomes
Student Learning Outcomes

- Students’ confidence in their ability to apply the Student Learning Outcomes (SLOs) (Table 1)
  (Frequency counts for individual SLOs may be found in Table 33)
  - Students indicated they were “Very Confident” in their ability to analyze professional decisions based upon ethical principles
  - Students’ indicated they were “Confident” in their ability to apply the remaining 19 SLOs
    - Top three SLOs students indicated they were “Confident” applying
      1. “Apply construction management skills as a member of a multi-disciplinary team”
      2. “Create written communications appropriate to the construction discipline”
      3. “Understand construction quality assurance and control”

- Students’ perception of the importance of the Student Learning Outcomes (SLOs) in their future careers (Table 2)
  (Frequency counts for individual SLOs may be found in Table 34)
  - 15 of the 20 SLOs students indicated would be “Very Important” in their future careers
    - The top three SLOs student perceived as “Very Important”
      1. “Analyze construction documents for planning and management of construction processes”
      2. “Create written communications appropriate to the construction discipline”
      3. “Create oral communications appropriate to the construction Industry”
  - The remaining 5 SLOs were perceived as being only “Important” to students’ future careers
<table>
<thead>
<tr>
<th>SLO #</th>
<th>Student Learning Outcome</th>
<th>n</th>
<th>M</th>
<th>SD</th>
<th>Confidence</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.</td>
<td>Analyze professional decisions based upon ethical principles</td>
<td>98</td>
<td>3.68</td>
<td>.51</td>
<td>Very Confident</td>
</tr>
<tr>
<td>9.</td>
<td>Apply construction management skills as a member of a multi-disciplinary team</td>
<td>99</td>
<td>3.49</td>
<td>.60</td>
<td>Confident</td>
</tr>
<tr>
<td>1.</td>
<td>Create written communications appropriate to the construction discipline</td>
<td>99</td>
<td>3.43</td>
<td>.64</td>
<td>Confident</td>
</tr>
<tr>
<td>15.</td>
<td>Understand construction quality assurance and control</td>
<td>98</td>
<td>3.40</td>
<td>.68</td>
<td>Confident</td>
</tr>
<tr>
<td>7.</td>
<td>Analyze construction documents for planning and management of construction processes</td>
<td>97</td>
<td>3.38</td>
<td>.65</td>
<td>Confident</td>
</tr>
<tr>
<td>16.</td>
<td>Understand construction project control processes</td>
<td>99</td>
<td>3.32</td>
<td>.62</td>
<td>Confident</td>
</tr>
<tr>
<td>8.</td>
<td>Analyze methods, materials, and equipment used to construct projects</td>
<td>99</td>
<td>3.31</td>
<td>.66</td>
<td>Confident</td>
</tr>
<tr>
<td>13.</td>
<td>Understand construction risk management</td>
<td>99</td>
<td>3.30</td>
<td>.68</td>
<td>Confident</td>
</tr>
<tr>
<td>2.</td>
<td>Create oral communications appropriate to the construction industry</td>
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<td>.67</td>
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</tr>
<tr>
<td>10.</td>
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<td>.76</td>
<td>Confident</td>
</tr>
<tr>
<td>14.</td>
<td>Understand construction accounting and cost control</td>
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<td>3.23</td>
<td>.70</td>
<td>Confident</td>
</tr>
<tr>
<td>12.</td>
<td>Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process</td>
<td>99</td>
<td>3.21</td>
<td>.73</td>
<td>Confident</td>
</tr>
<tr>
<td>17.</td>
<td>Understand the legal implications of contract, common, and regulatory law to manage a construction project</td>
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<td>3.10</td>
<td>.83</td>
<td>Confident</td>
</tr>
<tr>
<td>3.</td>
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<td>3.08</td>
<td>.79</td>
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</tr>
<tr>
<td>4.</td>
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<td>3.06</td>
<td>.75</td>
<td>Confident</td>
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<tr>
<td>18.</td>
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<td>.84</td>
<td>Confident</td>
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<tr>
<td>5.</td>
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<td>2.93</td>
<td>.81</td>
<td>Confident</td>
</tr>
<tr>
<td>20.</td>
<td>Understand the basic principles of mechanical, electrical and piping systems</td>
<td>99</td>
<td>2.88</td>
<td>.82</td>
<td>Confident</td>
</tr>
<tr>
<td>11.</td>
<td>Apply basic surveying techniques for construction layout and control</td>
<td>99</td>
<td>2.82</td>
<td>.88</td>
<td>Confident</td>
</tr>
<tr>
<td>19.</td>
<td>Understand the basic principles of structural behavior</td>
<td>99</td>
<td>2.58</td>
<td>.97</td>
<td>Confident</td>
</tr>
</tbody>
</table>

Note: Very Confident = 3.51 – 4.00; Confident = 2.51 – 3.50; Somewhat Confident = 1.51 – 2.50; Not Confident = 1.00 – 1.50
* Number of participants who answered “Don’t Know” were excluded from calculation of Importance Level.
<table>
<thead>
<tr>
<th>SLO #</th>
<th>Student Learning Outcome</th>
<th>n</th>
<th>M</th>
<th>SD</th>
<th>Importance</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.</td>
<td>Analyze construction documents for planning and management of construction processes</td>
<td>96</td>
<td>3.83</td>
<td>.40</td>
<td>Very Important</td>
</tr>
<tr>
<td>1.</td>
<td>Create written communications appropriate to the construction discipline</td>
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<td>.44</td>
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<td>2.</td>
<td>Create oral communications appropriate to the construction industry</td>
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<td>3.75</td>
<td>.48</td>
<td>Very Important</td>
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<tr>
<td>15.</td>
<td>Understand construction quality assurance and control</td>
<td>96</td>
<td>3.73</td>
<td>.47</td>
<td>Very Important</td>
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<tr>
<td>16.</td>
<td>Understand construction project control processes</td>
<td>97</td>
<td>3.73</td>
<td>.45</td>
<td>Very Important</td>
</tr>
<tr>
<td>9.</td>
<td>Apply construction management skills as a member of a multi-disciplinary team</td>
<td>97</td>
<td>3.72</td>
<td>.49</td>
<td>Very Important</td>
</tr>
<tr>
<td>6.</td>
<td>Analyze professional decisions based upon ethical principles</td>
<td>96</td>
<td>3.72</td>
<td>.54</td>
<td>Very Important</td>
</tr>
<tr>
<td>13.</td>
<td>Understand construction risk management</td>
<td>97</td>
<td>3.71</td>
<td>.50</td>
<td>Very Important</td>
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<tr>
<td>5.</td>
<td>Create construction project schedules</td>
<td>97</td>
<td>3.65</td>
<td>.54</td>
<td>Very Important</td>
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<tr>
<td>10.</td>
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<td>3.63</td>
<td>.56</td>
<td>Very Important</td>
</tr>
<tr>
<td>14.</td>
<td>Understand construction accounting and cost control</td>
<td>96</td>
<td>3.63</td>
<td>.58</td>
<td>Very Important</td>
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<tr>
<td>12.</td>
<td>Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process</td>
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<td>3.59</td>
<td>.55</td>
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<tr>
<td>17.</td>
<td>Understand the legal implications of contract, common, and regulatory law to manage a construction project</td>
<td>97</td>
<td>3.58</td>
<td>.59</td>
<td>Very Important</td>
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<tr>
<td>8.</td>
<td>Analyze methods, materials, and equipment used to construct projects</td>
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<td>3.54</td>
<td>.66</td>
<td>Very Important</td>
</tr>
<tr>
<td>4.</td>
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<td>.65</td>
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<tr>
<td>3.</td>
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<tr>
<td>20.</td>
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<td>.70</td>
<td>Important</td>
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<tr>
<td>18.</td>
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<td>.83</td>
<td>Important</td>
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<td>11.</td>
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<td>19.</td>
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<td>97</td>
<td>2.82</td>
<td>1.05</td>
<td>Important</td>
</tr>
</tbody>
</table>

Note: Very Important = 3.51 – 4.00; Important = 2.51 – 3.50; Somewhat Important = 1.51 – 2.50; Not Important = 1.00 – 1.50

* Number of participants who answered “Don’t Know” were excluded from calculation of Importance Level.
Table 3. Fall 2018: Student Responses to the Question: “As a result of your COSC degree program, how confident do you feel in your ability to:"

<table>
<thead>
<tr>
<th>SLO #</th>
<th>Student Learning Outcomes</th>
<th>Very Confident</th>
<th>Confident</th>
<th>Somewhat Confident</th>
<th>Not Confident</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Create written communications appropriate to the construction discipline</td>
<td>50</td>
<td>50.5</td>
<td>43</td>
<td>43.4</td>
</tr>
<tr>
<td>6.</td>
<td>Analyze professional decisions based upon ethical principles</td>
<td>69</td>
<td>69.7</td>
<td>27</td>
<td>27.3</td>
</tr>
<tr>
<td>9.</td>
<td>Apply construction management skills as a member of a multi-disciplinary team</td>
<td>54</td>
<td>54.5</td>
<td>40</td>
<td>40.4</td>
</tr>
<tr>
<td>10.</td>
<td>Apply electronic-based technology to manage the construction process</td>
<td>43</td>
<td>43.4</td>
<td>44</td>
<td>44.4</td>
</tr>
<tr>
<td>11.</td>
<td>Apply basic surveying techniques for construction layout and control</td>
<td>23</td>
<td>23.2</td>
<td>44</td>
<td>44.4</td>
</tr>
<tr>
<td>12.</td>
<td>Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process</td>
<td>38</td>
<td>38.4</td>
<td>45</td>
<td>45.5</td>
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<tr>
<td>13.</td>
<td>Understand construction quality assurance and control</td>
<td>49</td>
<td>49.5</td>
<td>40</td>
<td>40.4</td>
</tr>
<tr>
<td>14.</td>
<td>Understand construction accounting and cost control</td>
<td>37</td>
<td>37.4</td>
<td>49</td>
<td>49.5</td>
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<tr>
<td>15.</td>
<td>Understand construction project control processes</td>
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<td>40.4</td>
<td>51</td>
<td>51.5</td>
</tr>
<tr>
<td>16.</td>
<td>Understand construction quality assurance and control</td>
<td>49</td>
<td>49.5</td>
<td>40</td>
<td>40.4</td>
</tr>
<tr>
<td>17.</td>
<td>Understand the legal implications of contract, common, and regulatory law to manage a construction project</td>
<td>35</td>
<td>35.4</td>
<td>43</td>
<td>43.4</td>
</tr>
<tr>
<td>18.</td>
<td>Understand the basic principles of sustainable construction</td>
<td>31</td>
<td>31.3</td>
<td>38</td>
<td>38.4</td>
</tr>
<tr>
<td>19.</td>
<td>Understand the basic principles of structural behavior</td>
<td>20</td>
<td>20.2</td>
<td>31</td>
<td>31.3</td>
</tr>
</tbody>
</table>

Note: Frequencies may not total stated n because of missing data.
### Table 4. Fall 2018: Student Responses to the Question: “How important do you believe each of the following Student Learning Outcomes will be in your future career?”

- **n = 99**

<table>
<thead>
<tr>
<th>SLO #</th>
<th>Student Learning Outcomes</th>
<th>Very Important</th>
<th>%</th>
<th>Important</th>
<th>%</th>
<th>Somewhat Important</th>
<th>%</th>
<th>Not Important</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.</td>
<td>Analyze construction documents for planning and management of construction processes</td>
<td>81</td>
<td>81.8</td>
<td>14</td>
<td>14.1</td>
<td>1</td>
<td>1.0</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>1.</td>
<td>Create written communications appropriate to the construction discipline</td>
<td>77</td>
<td>77.8</td>
<td>19</td>
<td>19.2</td>
<td>1</td>
<td>1.0</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>2.</td>
<td>Create oral communications appropriate to the construction industry</td>
<td>75</td>
<td>75.8</td>
<td>20</td>
<td>20.2</td>
<td>2</td>
<td>2.0</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>6.</td>
<td>Analyze professional decisions based upon ethical principles</td>
<td>73</td>
<td>73.7</td>
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<td>--</td>
<td>--</td>
</tr>
<tr>
<td>9.</td>
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<td>72</td>
<td>72.7</td>
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<td>2</td>
<td>2.0</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>16.</td>
<td>Understand construction project control processes</td>
<td>71</td>
<td>71.7</td>
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</tr>
<tr>
<td>13.</td>
<td>Understand construction risk management</td>
<td>71</td>
<td>71.7</td>
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<td>24.2</td>
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<tr>
<td>15.</td>
<td>Understand construction quality assurance and control</td>
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<td>71.7</td>
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<td>24.2</td>
<td>1</td>
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<td>--</td>
<td>--</td>
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<tr>
<td>5.</td>
<td>Create construction project schedules</td>
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<td>66.7</td>
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<td>28.3</td>
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<tr>
<td>10.</td>
<td>Apply electronic-based technology to manage the construction process</td>
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<td>65.7</td>
<td>28</td>
<td>28.3</td>
<td>4</td>
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</tr>
<tr>
<td>14.</td>
<td>Understand construction accounting and cost control</td>
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<td>65.7</td>
<td>26</td>
<td>26.3</td>
<td>5</td>
<td>5.1</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>17.</td>
<td>Understand the legal implications of contract, common, and regulatory law to manage a construction project</td>
<td>61</td>
<td>61.6</td>
<td>31</td>
<td>31.3</td>
<td>5</td>
<td>5.1</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>8.</td>
<td>Analyze methods, materials, and equipment used to construct projects</td>
<td>61</td>
<td>61.6</td>
<td>27</td>
<td>27.3</td>
<td>9</td>
<td>9.1</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>12.</td>
<td>Understand different methods of project delivery and the roles and responsibilities of all constituencies involved in the design and construction process</td>
<td>60</td>
<td>60.6</td>
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<td>34.3</td>
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<td>--</td>
</tr>
<tr>
<td>4.</td>
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<td>60.6</td>
<td>29</td>
<td>29.3</td>
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<td>8.1</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>20.</td>
<td>Understand the basic principles of mechanical, electrical and piping systems</td>
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<td>50.5</td>
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<td>37.4</td>
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<td>9.1</td>
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<td>3.</td>
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<td>10.1</td>
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<td>--</td>
</tr>
<tr>
<td>18.</td>
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<td>41.4</td>
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<td>34.3</td>
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<td>20.2</td>
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<tr>
<td>11.</td>
<td>Apply basic surveying techniques for construction layout and control</td>
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<td>34.3</td>
<td>27</td>
<td>27.3</td>
<td>23</td>
<td>23.2</td>
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<tr>
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<td>33.3</td>
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<td>27.3</td>
<td>24</td>
<td>24.2</td>
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<td>13.1</td>
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Note: a Frequencies may not total stated n because of missing data.