## Student Chapter Resources Needed for Society Competitions and Events

Note that this guide is indicative and estimates. See competition rules for more information. Student chapters should use their judgment and take their specific circumstances into account when planning and preparing for competitions.

### Society-wide Competitions
<table>
<thead>
<tr>
<th>Competition</th>
<th>Team Size Range (# of students)</th>
<th>Cost Estimate ($, not including travel)</th>
<th>Start Date (month)</th>
<th>Pre-Event Submission(s) Required **</th>
<th>Pre-Event Time Estimate (hrs)</th>
<th>SS Event Time Estimate (hrs)</th>
<th>Required Space (on campus) and Equipment</th>
<th>Does this competition advance to a Society-wide finals competition in 2024? If no, where?</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASCE Concrete Canoe Competition</td>
<td>1/6</td>
<td>$3,000 - $5,000 (depends on in-kind donations)</td>
<td>September</td>
<td>Yes</td>
<td>100 (depending on # of team members)</td>
<td>16 - 25 hours (1/2 to full day display; 30 min presentation + watching; 9 hour race day)</td>
<td>Lab if possible. Indoor space to construct canoe. Meeting space for team meetings. Water to practice paddling (optional). See rules for equipment.</td>
<td>No</td>
</tr>
<tr>
<td>ASCE LEI Surveying Competition</td>
<td>3-4</td>
<td>Safety Vests + Printing</td>
<td>January</td>
<td>Yes</td>
<td>Task 1A due 2/26/24</td>
<td>30 hours</td>
<td>7 hours</td>
<td>Survey equipment as specified by the host</td>
</tr>
<tr>
<td>ASCE Sustainable Solutions Competition</td>
<td>2-7 (1 present at Symposium and Finals)</td>
<td>$180 Printing poster, poster resourcing surface</td>
<td>September</td>
<td>Yes</td>
<td>Technical Design Proposal, Evaluation Checklist and Criteria Justification, Outreach Poster, Sketchup file due at least 3 weeks prior to symposium (date set by host)</td>
<td>Total of 300+ person-hours</td>
<td>Roster Session 1-2 hours; Presentations 15 mins - 1 hours (dependent on watching other presentations)</td>
<td>Computer, ability to print 48&quot;W x 36&quot;H poster</td>
</tr>
<tr>
<td>ASCE/ASCE Student Steel Bridge Competition</td>
<td>6-12</td>
<td>$100-$5,000 (depends on in-kind donations)</td>
<td>September</td>
<td>No**</td>
<td>500-1,000 person-hours</td>
<td>6-6 hours</td>
<td>BIM portion of the competition is awarded to teams that qualify for the national finals.</td>
<td>Yes</td>
</tr>
<tr>
<td>ASCE Construction Institute Student Symposium Competition</td>
<td>2-4 students</td>
<td>0</td>
<td>Student symposium only</td>
<td>0 hrs</td>
<td>OI Competition Team Member Form due 2/24/24</td>
<td>No pre-work prep is required</td>
<td>A student from the winning team will be invited to the CI student day event in the summer of 2024</td>
<td>No</td>
</tr>
<tr>
<td>Timber-Strong Design Build Competition</td>
<td>4 to 20</td>
<td>0 (depending on in-kind donations)</td>
<td>September, but teams can earn as late as Nov. or Dec. and be successful</td>
<td>Yes</td>
<td>200-600 hours (varies by design and experience level of team)</td>
<td>3-4 hrs (50 minute build, judging, and clean-up)</td>
<td>Lab area or parking lot to pre-build walls and floor system. See rules for needed equipment (ie: canoe, drills, hammers, and ladders, etc.)</td>
<td>No</td>
</tr>
<tr>
<td>3D Printing Competition</td>
<td>3-5</td>
<td>$100-$200</td>
<td>September, but teams can start as late as Nov. or Dec. and be successful</td>
<td>No**</td>
<td>100 hours for design, 10 hours for printing and quality control</td>
<td>2-4 hours depending on number of teams (~15 min/teams)</td>
<td>Meeting room, access to a 3D printer and structural analysis software. Lab space for testing the 3D printed bridge</td>
<td>No</td>
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</tbody>
</table>

### Additional Events/Competitions

<table>
<thead>
<tr>
<th>Event</th>
<th>April</th>
<th>May</th>
<th>June</th>
<th>July</th>
<th>August</th>
<th>September</th>
<th>October</th>
<th>November</th>
<th>December</th>
</tr>
</thead>
<tbody>
<tr>
<td>Student Symposium Paper Competition*</td>
<td>1</td>
<td>30</td>
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<tr>
<td>Student Conference Business Meeting*</td>
<td>3-4 reps per student chapter</td>
<td>30</td>
<td>30</td>
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</tbody>
</table>

*Pre-event submissions must submit six abstracts beyond the Intent and Eligibility, Acknowledgement forms portion of Intent for Concrete Canoe. All Society-wide and Society Pilot Competitions require an Intent and Eligibility Acknowledgement form. If there are any discrepancies between this spreadsheet and competition rules regarding due dates, the due dates in the competition rules are to be followed. Further, a response to a RFI or addendum could change a due date or requirement.