



# 2025 ASCE Student Symposium

Thursday, April 10, 2025 – Saturday, April 12, 2025

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## Mission to Mars

Teams of up to 4 students will work together to design a structure used on Mars. The structure will have specific criteria including function, duration, and deployment requirements (explained at the competition). The structure will also need to withstand various environmental parameters (defined at the competition).

As part of the competition, teams will conduct a brief literature review, justify the mission concept and choices with basic calculations, and prepare a preliminary schedule and budget. Each team will have 2.5 hours to conduct their design before presenting for up to 10 minutes to a panel of judges.

### Judging:

Mission concepts will be scored on the following criteria (scoring rubric provided ahead of Mailer III):

- Total project mass
- Timeline for construction
- Innovation
- Feasibility
- Research and calculations
- Quality of the presentation

### Required Materials:

Laptop computer with charger

\*\* Please submit any questions regarding these rules to: [ascesympodium@clmson.edu](mailto:ascesympodium@clmson.edu)\*\*

