

2025 ASCE Mid-America Student Symposium

FE QUIZ BOWL

COMPETITION RULES

All requests for information and clarifications should be sent to:
nebraskasymposium.2025@outlook.com

OBJECTIVE

The 2025 FE Quiz Bowl will consist of two competition rounds. In the first round, teams will have one hour to answer 20 FE-style questions on paper. Questions will be presented to competitors one at a time for a specified duration based on difficulty level. The three highest-scoring teams from the first round will advance to the second round, which will occur in a Jeopardy-style competition format. Spectators are encouraged to attend this stage of the competition. All questions will be formatted and modeled after the NCEES Civil FE Exam.

PARTICIPATION GUIDELINES

- Each university is allowed a maximum of one competition team.
- Each team must have no more than four participants.
- Participants must be full-time undergraduate students at the university they represent and registered to participate in the 2025 ASCE Mid-America Symposium.



COMPETITION RULES

- Competitors are allowed to bring the following materials:
 - NCEES approved calculators (TI-30X, TI-36X, HP 33, HP 35, Casio fx-115, Casio fx-991)
 - View the NCEES calculator policies here: <https://ncees.org/exams/>
 - Water bottles
- Each team will be provided with the following materials:
 - A computer with a digital copy of the most recent FE Handbook version
 - <https://account.ncees.org/reference-handbooks/>
 - Computers will **not** have access to internet or any other software
 - No. 2 pencils
 - Answer submission papers
 - Scratch paper
- Competitors may not communicate with individuals outside of their registered competition team or competition moderators during either round.
- *First round:* If desired, competitors may work on previous questions during subsequent question time.
- *First round:* All final answers and scratch work must be submitted to competition moderators by the end of the round.
- *Final round:* Only the highest scoring team from each school will be eligible to advance to the finals.



PREPARATION TIPS

- All questions will be given in a multiple-choice format. Possible question topics include:
 - Mathematics and Statistics
 - Ethics and Professional Practice
 - Engineering Economics
 - Statics
 - Dynamics
 - Mechanics of Materials
 - Materials
 - Fluid Mechanics
 - Surveying
 - Water Resources Engineering
 - Environmental Engineering
 - Structural Engineering
 - Geotechnical Engineering
 - Transportation Engineering
 - Construction Engineering
- Questions will be modeled after NCEES Civil FE Exam specifications.
 - <https://ncees.org/exams/fe-exam/>
- It is recommended that students become familiar with the Civil FE Handbook prior to this competition. This will be provided to competing teams.
 - <https://account.ncees.org/reference-handbooks/>
- Both competition rounds include time restraints – it is advised that students prepare to answer questions as quickly as possible.



SCORING

- In the first round of the competition, each correct answer earns a team 1 point. An incorrect answer will result in 0 points. All answers will be scored at the conclusion of the first competition round.
- In the second/final round of the competition, questions will be presented to all teams in a Jeopardy-style format. Teams will be able to choose from categories of questions with varying point values.
 - Once a question has been read by the moderator, the team that buzzes in first will have the opportunity to answer the question aloud. If answered incorrectly, another team will have the chance to steal the question and earn half of the available points.
 - The team with the most total points after all available questions have been asked will be considered the winner of the FE Quiz Bowl competition.
 - In the event of a tie, a tiebreaker category will be introduced, and the competition will continue until one team accumulates the most points.

