



*Ready to Compete?*

# 3D PRINTING

National – There is no advancement to a Society-wide national competition for this competition.

## Overview

ASCE has partnered with the American Wood Three-dimensional printing (3DP) is an emerging construction technology. 3DP operates by adding sequential layers of material to create a three-dimensional object, which saves labor cost, minimizes material waste, and optimizes building time. While 3DP has been used to create prototypes and small-scale models of the built environment for some time, the technology has advanced to the construction of houses and bridges.

## Objective

The goal of the 3D Bridge Printing Competition is to promote the application of 3D printing technology in the field of civil engineering. For students, the goal is to design an aesthetically-pleasing, strong, and stiff bridge that will take the least amount of assembly time and meets the geometric requirements.

## Eligibility

Only one (1) team per school may compete in the 3D Printing Competition. Please review the national rules for the 3D Printing Competition specifications on team size and competition requirements. Deliverables should conform to the national rules.

<https://www.asce.org/communities/student-members/conferences/rules>

**CLICK HERE** 

## Judging

Judges will score competition entries according to the scoring rubrics in the national rules.



## Important Dates

- Release of Student Symposium Competition Rules and Regulations on September 3, 2024.
- 3D Printing Competition Intent and Eligibility Acknowledgement Form Due by 5:00 PM EST on November 1, 2024.
- 2025 Southeast Student Symposium March 6-8, 2025 in Athens, Ga.
- Competition time and location will be released closer to event

## Questions

Requests for information (RFI) must be submitted through the online [2025 ASCE 3D Printing Competition RFI Form](#). Clarifications will be posted on the [ASCE 3D Printing Competition Collaborate Site](#) approximately one week after being received starting September 27, 2024 until February 14, 2025. The cutoff date for submitting an RFI is Wednesday, February 5, 2025, at 11:59 p.m. Eastern Standard Time (EST).