

Steel Bridge Team

The K-State Steel Bridge Team designs, manufactures and competes with a 1/10th-scale steel bridge. In the fall semester, upperclassmen design a steel bridge following a set of constraints set by the competition committee. The faculty adviser provides experienced guidance during this process. During the spring semester, student team members manufacture the structure in a campus steel shop. This includes cutting, grinding, welding, and milling steel members and connections. All manufacturing is completed by students in the shop. The bridge is then judged in several categories including strength, weight and construction efficiency.

For the first time in 12 years, when competing at the 2016 Regional ASCE Mid-Continent Student Conference in Rolla, Missouri, the team's bridge failed to qualify for national competition due to side sway, and was disqualified.

Returning to the regional conference in 2017, this time in Fayetteville, Arkansas, the team and its bridge took first in lightness and structural efficiency, and won first place overall.

The team competed at the 2017 National Student Steel Bridge Competition hosted by Oregon State University in Corvallis, Oregon.

Team leaders

Isaac Klugh	Co-Captain
Andrew Foerster	Co-Captain
Mark Zarybnicky	Shop Lead

Faculty adviser

Hayder Rasheed, CE professor

**First place overall at
2017 Regional ASCE
Mid-Continent Student
Conference**

