

**Job Title:** Senior Engineer - Education

**Reports to:** Director of Education

**Summary:** The Senior Engineer plans, develops and implements technical resources for educators and students.

**Essential Duties and Responsibilities**

- Manage Technical Resources for Faculty
  - Manage and/or develop teaching aids, including topic selection, assignment, planning, execution, review, and usage analytics
  - Curate a crowd-sourced image database of steel-related photos, videos, and animations to be used by educators in steel courses
  - Assist in the technical content development for educator workshops
  - Manage and maintain an online forum for educator resource sharing
- Manage Technical Resources for Students
  - Develop technical content for social media programs and contests for students to attract everyday interest in steel
  - Manage creation of videos and other marketing materials showcasing engineering career opportunities in steel
  - Oversee creation of podcasts, interviews and presentations for students
- Additional Activities
  - Assist with creation of new education resources through proposals and input by educators, students, practitioners, and industry
  - Assist in the planning and implementation of the Student Steel Bridge Competition

**Other Duties and Responsibilities:**

- Occasional travel for conferences, workshops and university visits
- Give presentations to university and engineering groups
- Provide support for continuing education programs as needed
- Serve as secretary for AISC technical committees and education committees as assigned
- Participate in the activities at NASCC: The Steel Conference as required
- Attend AISC department meetings
- Carry out special projects as assigned by the Director of Education

**Qualifications and Requirements:**

- Basic knowledge of steel building design and construction, with in-depth knowledge of area(s) that are related to the Engineer's role at AISC
- Familiarity with AISC and its activities
- Good communication and presentation skills, both verbal and written
- Good organizational capabilities
- Able to manage volunteers and consultants involved in the Engineer's role at AISC
- Proficiency in Microsoft Office programs and Google Suite applications
- Proficiency in photo and video editing and storage programs preferred

**Education and Experience:**

- Minimum 4 years of experience in steel building design and/or construction related work
- Bachelor's degree in CE, AE or similar with structural emphasis
- Master's degree and SE and/or PE preferred
- Experience in research and/or teaching at the university level preferred
- Participation in engineering activities as a student preferred