Construction Engineering

Town Hall

What is Construction Engineering?
A Construction Engineer will work with Civil Engineers that have an emphasis in structural as well as with architects. Construction Engineers deal a lot with people because they will be responsible for taking a set of plans for a building and figuring out how to actually build it. They take the idea and create the final product. In order to do this, they need to analyze things such as site layout, workers and equipment needed, as well as factoring in time and cost for a project among many other things. They need to make sure that all of the contractors working on a project know what they need to do and when they need to do it. If a problem arises, the Construction Engineer will have the technical knowledge and certification necessary to make changes to the building plans right there on the job site. After a project, a Construction Engineer will feel the reward of knowing that they made the building happen. Without them, it would just be a bunch of lines on paper. Construction Engineering is a good path for students that not only like being able to solve a new problem every day, but also like to manage people as well.

Numbers:
- Undergraduates: 377 students (Spring 2011)
- Graduate Students: 125 students (Spring 2011)
- Average starting salary: $48,700
- 99% In-Profession placement rate within 6 months after graduation

Clubs and Projects:
- Associated General Contractors (AGC) – Gives students an opportunity to go and volunteer their construction knowledge to help communities.
- Design/Build Institute of America (DBIA) – Student-run club that is devoted to promoting knowledge of design-build topics. Meetings typically involve presentations led by industry professionals.
- ISU Solar Decathlon - Student design and build a house that uses less energy and creates less waste by using renewable energy to power the house.
- Emerging Green Builders – Allows students to get involved with ‘green’ building and promotes interaction with professionals and ‘green’ organizations.