What is competition?
In April 2015, the Concrete Canoe Team travels to the Upstate NY Regional Conference to compete against numerous schools in the Concrete Canoe Competition.

The competition scores each team in four different categories: oral presentation, overall project appearance, technical report, and (the most exciting) race results.

As a committed team member, you will have the opportunity to participate in the event by cheering on your teammates or even paddling the canoe.

The Steel Bridge Team will be competing the same weekend at the conference, so team members will be able to show their Big Red spirit for both teams!

Last year, the Concrete Canoe Team made it to nationals and competed against over 20 different schools from all over the world.

Team Requirements
1. Each team member must contribute an average of 3 hours per week to the project team.
2. All team members must also participate in Cast Day – the most important day of our year! On Cast Day, we hand cast concrete onto our chosen mold, effectively shaping and making our canoe in mere hours.
3. At the end of each semester, each team member will be required to write a short summary report detailing the tasks they worked on and what they learned from their project team experience.
4. (Optional) There will be various team building activities throughout the year that we encourage everyone to attend. These let us strengthen our team bond and, more importantly, have fun!

Interested in joining?
Fill out an application!
Due 9/8 in the folder on the door of Hollister 215 or email completed application to Tiffany.

Questions?
E-mail Tiffany!
tl469@cornell.edu

Get dirty and have fun!
Together as a team, we spend the year designing and building a fully functional concrete canoe to present, display, and race at competition in the spring.

The entire project from logistics to design and from fabrication to racing is the responsibility of team members.

Which subteam is right for you?
- Aesthetics Team
- Analysis Team
- Logistics Team
- Mix Design Team
- Mold Design Team
- Paddling Team
Aesthetics Team

Subteam Leader: Christian Brickhouse
NetID: ctb77

Are you an artist? Do you enjoy crafting?

This subteam works on the appearance and presentation of the canoe. It leads the final finishing of canoe construction through sanding, staining, and sealing to create a final product that is visually appealing. In addition to working on the canoe, the Aesthetics team brings the theme to life. It transforms raw engineering into a marketable finished product.

Logistics Team

Subteam Leader: Caitlin Murphy
NetID: cmm486

Do you love to plan and organize?

This team focuses on project scheduling, budget management, and competition logistics behind the scenes to keep us organized throughout the year. By coordinating subteams and working through budget constraints, they ensure that we accomplish our tasks as efficiently as possible.

Analysis Team

Subteam Leader: Matthew Calo
NetID: mdc229

This team is the perfect subteam to put your engineering coursework to use! We use fundamental concepts to analyze the static and dynamic behavior of our canoe. We utilize various programs to write our own code and create a virtual rendering of our finished product.

Mix Design Team

Subteam Leader: Katie Johnson
NetID: kmj67

Get your hands dirty by joining this lab-based subteam. Design, mix, and test lightweight concrete to be used in our boat.

Learn about the chemistry behind this fascinating material and how to manipulate aggregates so that this normally heavy material floats in water.

Mold Design Team

Subteam Leader: Chris Wolfrom
NetID: cww63

The Mold team is responsible for the construction of the apparatus that gives the canoe its shape. The team frequently practices hands-on simulations of casting concrete onto the mold. On Cast Day, the most important day of the year, the mold team is in charge. This team requires ingenuity and an ability to see beyond the standard uses of materials.

Paddling Team

Subteam Leader: Katharina Fung
NetID: kf259

Racing is a huge component of the competition. There are a variety of races composed of all male, all female, and co-ed races that vary in distance. It’s a great way to get out and enjoy Cayuga Lake. Join the paddling team – trained by a former Olympic kayaker – for a fun opportunity to race in a unique canoe!