Mission

To expand education in concrete and provide students with opportunities to gain practical hands-on experience with concrete design and construction.
Activities

- 15+ student members
- Student competitions
- Participation in ACI Chapter Meetings
- Site tours and guest speakers
Competitions

- Concrete Canoe
- ACI Strongest University
- FRC Bowling Ball
Fall Semester (Design)

- Project planning
- Hull design
- Mix design
  - Two mix days a week
  - 24 total mixes tested
  - 7, 14, 28 day breaks
- Practice concrete canoe pour
Spring Semester (Build)

- Final pour
- Tons of sanding
- Constructing display
- Design report completion
- Oral presentation
- Race Team practice

Regional Competition:
April 7-8 at the University of Delaware
ACI Strongest University Competition

Design a concrete mix for a specified strength, then mix the concrete and make samples for testing

- **2016**: 1 team, 5 participants, 2nd place
- **2017**: 2 teams, 10 participants, 1st place
- **2018**: 2 teams, 10 participants, to be determined...
FRC Bowling Ball

- First national competition
- Four-member team
- Planning on being back for future competitions
Events

Past:
• ASHE and ACI joint meeting: Roller Compacted Concrete
• Site tour: 414 Light Street Project concrete pour
  • 2nd tallest building in Baltimore
• Thanksgiving potluck

Upcoming:
• Site tour: Whiting-Turner Mixed-Use Construction Project
• Plant tour: Gillespie Precast
• NCC ACI Golf Outing
Guest Speakers

Kenneth Hover

- Former ACI president

Topic: The concrete quality control challenge - Twins separated at birth
Outreach

Outreach to local schools to promote interest in STEM and teach students about civil engineering and concrete.