



University of Notre Dame

2023 Annual Report for
American Society of Civil Engineers
Notre Dame Student Chapter

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Notre Dame Student
Chapter of American
Society of Civil
Engineers

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Joan Deitsch
Concrete
Canoe Project
Manager

Advisors



Andrew Bartolini
Faculty Advisor

Chapter Recognition



2023 Indiana-Kentucky
Student Symposium
Champions



2023 Advisor of the
Year



Mission Statement

The Notre Dame ASCE student chapter strives to be a welcoming club where Notre Dame Engineers can find camaraderie and community; aims to organize a variety of engineering related meetings and events where members can learn more about civil engineering, develop their careers, and have fun; promotes the academic and overall well being of its members; and works in concert with the regional and national organizations to register members, attend conference, and strengthen the club.

Goal 1: Increase Average Meeting Attendance by 10 Members



- Last year average = 33 people per meeting
 - 13 member increase!
- Club attendance increased from spring to fall semester as well due to incoming freshman and new school year
- Focused on club engagement through email, groupme, instagram, facebook, and linkedin
- Continued the organization of a New Member Social to welcome new students into a positive environment (had 'Signing Day' for freshman as well)
- Balanced club updates, speakers, and collaborative games during our monthly general meetings



Intramural Broomball Team

This year we averaged 46 people per meeting!

Goal 2: Organize Five Off-Campus Events

- The overarching goal focuses on involving members in off-campus activities, through events such as tours and service events
- New position of Community Engagement Chair created to increase outreach effort
- Continued implementing a semester outline to better plan club events in advance
- The goal was both met and surpassed with a total of 6 events throughout the year
- **Goal #2** aligns with **Goal #1** - increasing this number allowed more members to get involved and return for future events



Chicago Field Trip

Goal 3: Begin Planning for all (6) National Competitions during Fall Semester



- **Concrete canoe:** Team was chosen in the spring of 2023 and performed preliminary design calcs during fall semester.
- **Surveying:** Team practiced surveying around campus
- **Timber:** Team began researching and designing with materials accessible locally
- **Construction Institute:** Learned about the topics of construction management through site tours and professor advice.
- **Sustainable Solutions:** Team researched articles and topics that are pressing in today's society.
- **3D Competition:** Team began work designing and printing prototypes and testing models.





General Meetings

Chapter Activities

February General Meeting

February 1, 2023

Attendance: 57 (2022 Comparison: 25)

- **Semester Review:** Reflected on the previous semester's events and introduced upcoming events for the spring semester
- **Speaker Series:** Notre Dame CEEES Department Chair, Diogo Bolster, gave insight into his life, emphasizing his failures, and encouraging students learn from every experience. One of many students favorite professors, this helped excited underclassman for what was to come, a part of **Goal #1**
- **Food:** Pizza!



March General Meeting

March 1, 2023

Attendance: 22 (2022 Comparison: 21)

- **Semester Review:** Presented an update on the canoe, provided date for North Central Branch Lunch, and held officer elections
- **Speaker Series:** Tim Morrison, SE for the Carson Project
- **Activity:** Guessed how many starburst were in a jar!



April General Meeting

April 5, 2023

Attendance: 36 (2022 Comparison: 20)

- **Semester Review:** Gave update on canoe and went over conference logistics. This meeting was required for students attending conference, and making sure to keep them updated contributes to **Goal #3**
- **Activity:** Held easter egg hunt!



End-of-Year Meeting

May 2, 2023

Attendance: 35 (2022 Comparison: 26)

- **Semester Review:** Recapped conference and said goodbye to ASCE seniors
- **Activity:** Took away from the stress of finals and held our annual scavenger hunt; fun bonding events are part of **Goal #1**
- **Food:** Dave's Hot Chicken!



September Kickoff Meeting

September 5, 2023

Attendance: 63 (2022 Comparison: 66)

- **Semester Review:** Officer introduction, discussed upcoming mix meetings, new member social, and service events.
- **Activity:** Played a fun-fact bingo that let students mingle and get to know other civils, acting towards **Goal #1**, and had our fourth annual paper airplane contest.
- **Food:** Frozen Yogurt!



October General Meeting

October 3, 2023

Attendance: 44 (2022 Comparison: 38)

- **Semester Review:** September recap and introduced upcoming events
- **Speaker Series:** Professor Kevin Walsh discussed his career journey and his work with risk assessment
- **Activity:** Played a civil-engineering related trivia game. Split up into groups with different grades in each group, contributing to **Goal #1**
- **Food:** Pizza!



November General Meeting

November 7, 2023

Attendance: 45 (2022 Comparison: 28)

- **Semester Review:** October recap and introduced conference events + captains, this early start was part of our plan for **Goal #3**
- **Activity:** Played a civil-engineering related family feud game which helped members group up with people they haven't met, the random groups helped contribute to **Goal #1**
- **Food:** Chipotle!



December General Meeting

December 5, 2023

Attendance: 56 (2022 Comparison: 36)

- **Semester Review:** November recap and opened signups for conference
- **Speaker Series:** Professional engineer Akhtar Zaman spoke about geotechnical engineering. This focus on career discernment helped towards **Goal #1**
- **Activity:** Held gingerbread house making competition
- **Food:** Cane's and hot chocolate!





Site Tours

Chapter Activities

South Bend Water Treatment

February 22, 2023

Attendance: 21

- For engineering week, we collaborated with the Engineering Leadership Council (ELA) to promote an off campus tour available to all engineering students!
- Students learned about how the structures required to maintain water systems
- This off-campus tour contributed to **Goal #2**



Notre Dame New Residence Hall

October 12, 2023

Attendance: 22

- We usually try to plan one on-campus construction site tour per semester with this one being Notre Dame's new Residence Hall
- Learned about improving the interior of new dorms while maintaining the old exterior style
- Those who had gone to the year's prior Alumni Hall tour were able to see the differences between a new build and a renovation





Club Events

Chapter Activities

ASCE Indiana North Central Branch Lunch



March 30, 2023

Attendance: 24 + 30 ASCE Indiana Branch Membres

- Hosted ASCE Indiana North Central Branch for lunch
- Former ASCE ND Student Chapter co-presidents presented the 2022 Notre Dame ASCE Annual Reports
- ND senior civil engineering students presented their thesis project
- **Lunch:** Provided by ASCE Indiana North Central Branch!



Invited Speakers

November 30, 2023

Attendance: 38

- Collaborated with the CEEES Department to host Joe Burns, who spoke on Architecture and Civil Engineering



November 30, 2023

Attendance: 43

- Collaborated with the Civil Department to host Shannon Warchol, who spoke on transportation analysis



November 30, 2023

Attendance: 17

- Collaborated with NDSEED to hosted Guy Lawrence Payne, a Notre Dame alumnus, who presented on Career Paths



Shear Studs: Co-Rec Sports Team

August - November 2023

Attendance: 27

- Fun way to get both new and old members involved in a more social setting
- Participated in broomball, indoor volleyball, sand volleyball, and soccer
- Placing a focus on social events help members meet other students and feel more comfortable attending more club events, a focus of **Goal #1**



ND Football Concession Stand

September 2, 2023

Attendance: 32 volunteers + 800+ customers

- The club organized a concession stand at the Notre Dame vs. Tennessee State game to fundraise for conference costs
- Volunteers helped make signs, set up, cook, clean, and interact with hundreds of visitors!
- Sold out on hot food, drinks, snacks, apparel, and ASCE merchandise
- Raised over \$5,100!!



New Member Social

September 20, 2023

Attendance: 19

- Hosted event specifically for new members of the club as a way for them to ask questions about ASCE, civil engineering, or ND in general
- Provided cookies and board games to ensure everyone had a fun and interactive time
- We try to place a focus on retainment for underclassmen especially, and this event was a large part of **Goal #1**



Bowling Night

October 24, 2023

Attendance: 17

- ASCE hosted their annual bowling night, a fan favorite
- Great way for club members to socialize and have fun with other members
- This aligned with **Goal #1** - by hosting social events civils were able to make friends and became more comfortable with coming to meetings and other events



Chicago Field Trip

December 1, 2023

Attendance: 20

- Toured Obama Presidential Center Construction Site
- Visited Thornton Tomasetti's office and learned about their various project
- Met Joseph Burns, an ND alum, who shared his career journey
- Visited Chicago Architecture Center's Timber exhibit
- This day-long excursion correlated to **Goal #2**



Dinner with a Civil

November 27-December 2, 2023

Attendance: 32

- Randomly created groups of 5-6 and went out to dinner
- Great way for club members to meet others in a more social setting
- First years were able to learn more about the major got to know more club members, in an effort to hit **Goal #1**





Concrete Canoe

Chapter Activities

Mix Meetings

January 2023 - December 2023

Attendance: 40+

- Met on a weekly basis to mix and test different mix designs and new materials for the 2024 concrete canoe, *Canoenaverse*
- Split up into mix, structural, safety, and aesthetic teams to work on different aspects of the canoe
- Batched and casted a mini-version canoe to have practice for casting day in the Spring - this head start was a part of **Goal #3**

Batching and Casting Day

January 28 & February 4, 2023

Attendance: 17

- **Batching Day:** We weighed and batched enough material to cast our 20 ft. canoe
- **Casting Day:** We mixed and casted the concrete into our mold, shaped reinforcement, and measured the thickness throughout





Community Service

Chapter Activities

IGNITE Grant Park Project

September 9, 2023

Attendance: 8

- Worked on building a retaining wall for a pocket park in South Bend, which contributed to **Goal #2**
- Placed concrete bricks, filled them with gravel, and raked the surrounding area
- Met other people in the South Bend community who were volunteering





Student Conferences

Workshop for Student Chapter Leaders

January 20-21, 2023

Attendance: 2

- Attended the WSCL conference in Charlotte, NC and gained insight on how to strengthen leadership in our student chapter



Civil Engineering Professional Development Seminar

November 16, 2023

Attendance: 5

- Officers traveled to Purdue University for their annual Civil Engineering Professional Development Seminar (CEPDS), networked with professionals across many disciplines, and attended a seminar with the ASCE Younger Members Committee, fulfilling **Goal #2**



2023 Indiana-Kentucky Student Symposium



April 13-16, 2023

Attendance: 44

- The club traveled to Western Kentucky University to compete in 14 civil engineering related competitions



Student Presentations

- Student leadership and seniors presented Annual report and Senior Design Capstones to 30+ members of the ASCE Indiana Section
- Concrete Canoe, Sustainable Solutions, Transportation, and other teams presented papers and project to a panel of judges at the IN-KY Student Symposium, aligning with the early preparation established by **Goal #3**



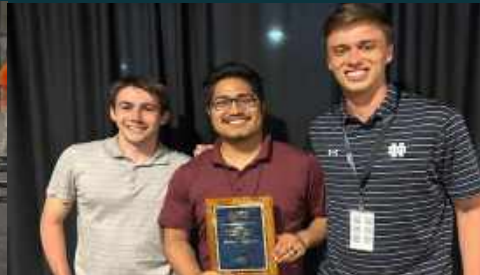
Conference Recognition



Concrete Canoe
3rd Place



Steel Bridge
1st Place



Construction Institute
1st Place



Technical Paper
1st Place



Transportation
3rd Place



Balsa Wood Bridge
3rd Place



Concrete Cornhole
3rd Place



Mystery Design
3rd Place



Questions?

