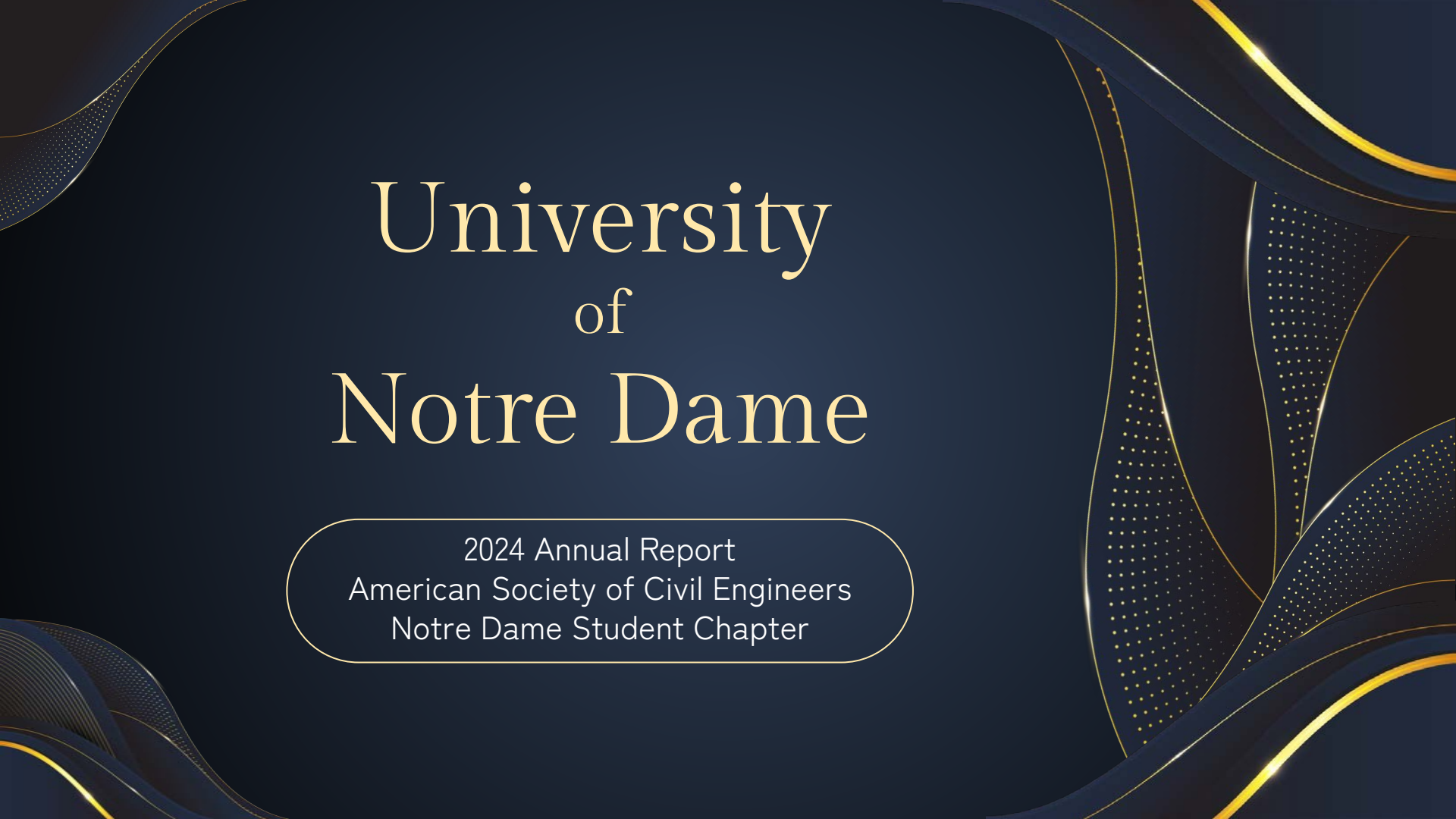




University of Notre Dame

2024 Annual Report
American Society of Civil Engineers
Notre Dame Student Chapter

Student Officers



Emma Quinn
Co-President



Nolan Nicholson
Co-President



Nicole Vaccaro
Vice President



Sam Tyler
Treasurer



Shannon Dorman
Secretary



Joshua Johnson
Public Relations Chair



Kate Ancona
Community Engagement Chair



Liz Chen
Concrete Canoe PM



Braeden Snow
Steel Bridge PM



Emma Speyrer
Timber Strong PM

Advisor



Andrew Bartolini

Faculty Advisor

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

Keep Member Retainment at 100%

- **Observation:** Oftentimes students become less involved with ASCE over the course of their four years at ND
- **Goal:** Focus on recruiting new members and ensure recurring members stayed involved with an ultimate goal of 100% retainment
- **Method:**
 - Hosted a new member social, enabling discussion between younger and returning members
 - Arranged Dinner With a Civil groups with 1+ member from each grade to boost interaction
- **Measurement:** Traced attendance throughout events, specially attendee's academic class
- **Results:**
 - Out of 36 freshman, sophomores, and juniors who attended conference last year, 32 are signed up to participate again this year
 - 2024-25: An average of 12 freshman sophomores and juniors attended annual symposium
 - 2025-26: An average of 18 sophomores, juniors and seniors attended annual symposium
 - This goal was successful:
 - 89% member retainment
 - 50% increase in average member involvement from the Classes of 2025, 2026, 2027.

Goal #2

Increase member participation for smaller club events

- **Observation:** Attendance for large events such as general meeting was strong, but smaller social and service events were less attended
- **Goal:** Increase attendance at these smaller events by 5%
- **Methods:**
 - Utilized polls to identify the best times to host tours, speaker series, and events
 - Created a google calendar for events so members could easily track smaller events
 - Partnered with CEEES speaker series course and other clubs
- **Measurement:** Participation was tracked through Google Forms
- **Results:**
 - 2024-25: 128 members at smaller events
 - 2025-26: 137 members at smaller events
 - Didn't reach 5% mark, but club is headed in the right direction

Goal #3

Improve member education about the symposium, encourage participation, and maintain enthusiasm throughout the year

- **Observation:** Conference is one of our most popular events in the year, so we wanted to put more focus and time towards promoting it
- **Goal:** Increase club attendance by 10% for the annual ASCE Indiana-Kentucky Student Symposium, which is the largest event the club does each year.
- **Method:**
 - Discussed symposium during each general meeting
 - Dedicated one general meeting to introduce events
 - Created a steel bridge and timber strong project manager position on the officer team (in addition to concrete canoe) for better organization and advertising
- **Measurement:** Measured goal through a sign-up Google Sheet
- **Results:**
 - 2023: 45 students attended
 - 2024: 50 student attended
 - 2025: 69 students attended
 - This goal was successful: 38% increase in symposium attendance!

General Meetings

Chapter Activities

February General Meeting

February 6, 2024

Attendance: 53 (2023 Comparison: 57)

Semester Review

Went over conference registration and discussed upcoming officer elections

Speaker Series

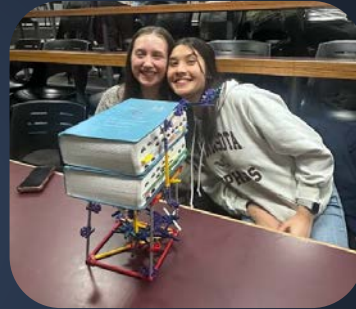
Alex Taflanidis, ND professor, discussed his work in Haiti regarding hazard response and resilience

Activity

Students built structures out of K'nex and were tested on how much weight they could hold

Food

Pizza!



March General Meeting

March 5, 2024

Attendance: 42 (2023 Comparison: 22)

Semester Review

Held officer elections, introduced upcoming events, and sold club merchandise

Speaker Series

Jason Durr gave a presentation about engineering ethics and went over various case studies

Activity

Giant Jenga

Food

Pasta!



April General Meeting

April 2, 2024

Attendance: 42 (2023 Comparison: 36)

Semester Review

Reviewed conference logistics and prepared for ND Day

Speaker Series

ASCE Younger Members Alex Duran and Taylor Eash spoke about opportunities for young civil engineers in the workforce

Food

Dave's Hot Chicken



End-of-Year Meeting

April 30, 2024

Attendance: 30 (2023 Comparison: 35)

Semester Review

Took pictures of conference teams, knighted new canoe PM, and held ceremony for graduating seniors

Activity

Annual scavenger hunt around campus for Notre Dame and civil engineering related items

Food

Steak & Shake and Let's Spoon!



September Kickoff Meeting

September 10, 2024

Attendance: 77 (2023 Comparison: 63)

Semester Review

Officer introduction, discussed upcoming mix meetings, new member social, and networking opportunities

Activity

Annual paper airplane competition and
a civil engineering Quizlet Live

Food

Froyo!



October General Meeting

October 8, 2024

Attendance: 66 (2023 Comparison: 44)

Semester Review

Introduction to Concrete Canoe, Steel Bridge, Timber Strong, reviewed Constitution

Speaker Series

Dr. Brian Smith spoke about the distinction between engineering and architecture, as well as forensic engineering examples

Activity

Toothpick and candy corn tower building competition

Food

Chipotle!



November Kickoff Meeting

November 12, 2024

Attendance: 54 (2023 Comparison: 45)

Semester Review

Introduced conference events and concrete canoe theme, as well as conference sign ups

Activity

Notre Dame civil engineering themed trivia!

Food

Pizza!



December General Meeting

December 3, 2024

Attendance: 40 (2022 Comparison: 56)

Semester Review

Wrapped up shear studs season and
ASCE student member registration

Speaker Series

Dr. Andrew Bartolini discussed career discernment
and his dissertation defense.

Activity

Gingerbread-making competition!

Food

Raising Canes!



Site Tours

Chapter Activities

First-Year McCourtney Tour

February 29, 2024

Attendance: 11

- Toured the new research facility being built on campus
- This was the first construction site tour for many freshman
- Great opportunity for freshman to meet other civils and see what is going on around campus



Burke Golf Tour

March 6, 2024

Attendance: 6

- Students toured Notre Dame's golf course, which is currently under construction in order to make room for new dorms
- Unique opportunity to see construction being done both for a sports facility and in terms of resizing



Basílica/Bell Tower Tour

March 18, 2024

Attendance: 9

- 2023-2024 ASCE officers had the exclusive opportunity to tour Notre Dame's Basilica
- Able to get an up close look at the mechanics and structural design of the bell tower and attic



North Central Branch Tour

October 30, 2024

Attendance: 3

+ 30 Indiana Branch Members

- Attended joint event with ASCE Indiana North Central Branch for their October General meeting
- Toured the new South Bend Water Treatment Plant



Club Events

Chapter Activities

Bowling

February 20, 2024
Attendance: 15



- ASCE hosted E-Week bowling, which provided a study break and allowed members to meet engineers outside of CEEES

November 20, 2024
Attendance: 11



- ASCE hosted this annual fall bowling event, allowing members to interact in a casual environment

ASCE Indiana North Central Branch Lunch

March 20, 2024

Attendance: 19 students

+ 20 ASCE Indiana Branch Members

- Hosted ASCE Indiana North Central Branch for lunch
- Former ASCE ND Student Chapter co-presidents presented the 2023 Notre Dame ASCE Annual Reports
- ND senior civil engineering students presented their thesis project
- Lunch: Provided by ASCE Indiana North Central Branch!



Invited Speakers

- Outside of general meetings, ASCE hosted 5 speaker events, with an average attendance of 10
- Nicholson Construction
- American Structurepoint
- Ahmad Abdelrazaq (RISE GLOBAL)
- Paul Schmitz (Tensar)
- Greg Benz (WSP)
- Gay Lawrence Pang(ND Alum)



Shear Studs: Co-Rec Sports Team

September - November 2024

Attendance: 25



Sand Volleyball



Soccer



Broomball

ND Football Concession Stand

September 7, 2024

Attendance: 29 volunteers & 700+ customers

- The club organized a concession stand at the Notre Dame vs. Northern Illinois 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 \$4,000!!



New Member Social

September 18, 2024

Attendance: 20

- Hosted event specifically for new members of the club as a way for them to ask questions about ASCE, civil engineering, or Notre Dame
- Provided cookies and board games
- Attempt to place a focus on retainment for underclassmen and interaction between various grade levels (Goal #1)



Dinner With A Civil

November 2024

Attendance: 46

- Hosted event for members to connect with members of various grade levels (Goal #1)
- Provides the opportunity to get to know one another on a personal scale and to ask questions!



Concrete Canoe

Chapter Activities

Casting Day

February 4, 2024

Attendance: 28

- Mixed 28 batches of concrete and placed on new male mold
- Used reinforcement layer and did quality control checks throughout the process
- Entire process took approximately 3.5 hours



Community Service

Chapter Activities

Science Alive

February 10, 2024

Attendance: 5

Person Hours: 14

- 10% member participation
- Ran an interactive exhibit at St. Joe County Public Library
- Impact: Connected with young children and their families in the South Bend community



Green Bridge Growers

April 6, 2024

Attendance: 3

Person Hours: 9

- 6% member participation
- Helped construct a wall to prevent flooding in the area
- Impact: Connected with the Green Bridge Growers team, which supports adults with autism to provide fresh food for the South Bend community



Community Connections Fair

October 5, 2024

Attendance: 6

Person Hours: 24

- 15% member participation
- Ran an interactive building exhibit at Penn-Harris-Madison School
- Impact: Connected with local service organizations and shared engineering knowledge with middle school students



Student Conferences

Chapter Activities

2024 Eastern Region Younger Member Council

January 25-27, 2024
Attendance: 2

Attended the conference in Miami, FL and gained insight on how to strengthen leadership in our student chapter



ASCE Officer Trainings Webinars

September-October, 2024
Attendance: 5

Advisor and officers attended online workshops to best prepare for success



Civil Engineering Professional Development Seminar

November 21, 2024
Attendance: 5

Officers traveled to Purdue University to network with professionals and attend the ASCE Younger Members Committee seminar

2024 Indiana-Kentucky Student Symposium

April 11-13, 2024

Attendance: 50

- The club traveled to Purdue University Northwest to compete in all 14 civil engineering related competitions



Conference Recognition



Concrete Canoe

2nd Place



Sustainable Solutions

2nd Place



3D Printing

3rd Place



Technical Paper

2nd Place



Transportation

2nd Place



CAD Competition

3rd Place



Jeopardy

1st Place

Thank You!!

Questions?

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Notre Dame ASCE

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Notre Dame Student Chapter of
American Society of Civil Engineers