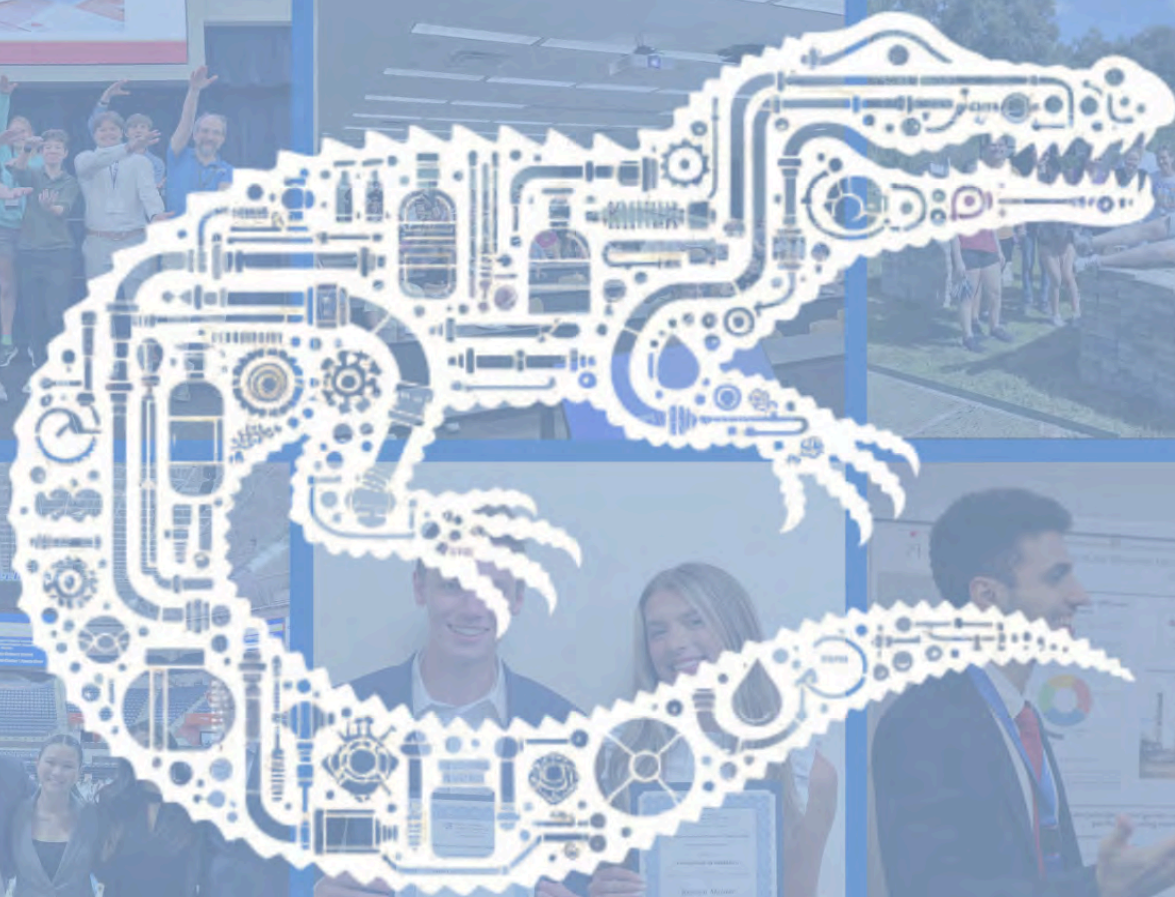


2024-2025 AIChE Sponsorship Packet



**at the
University of Florida**



American Institute of Chemical Engineers
at the University of Florida

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Mission

AIChE at the University of Florida is a pre-professional student chapter of the American Institute of Chemical Engineers. We are a student-run, non-profit organization that strives to foster networking and foster technical skills for the continued advancement of ourselves, our university, and our community. UF AIChE has always prided itself as being the oldest and most popular Chemical Engineering organization at the University of Florida. We have approximately 70 members and continue to grow with our program.



Awards

- Outstanding Chapter Award 2017-2023 (7x and counting!)
- National Qualifier in 2024 ChemE Cube Competition
- 1st Place in National K-12 STEM Outreach Competition
2022, 2021
- 1st Place in Regional ChemE Car Competition 2021
- 10th Place in National ChemE Car Competition 2021



General Body Meetings

At a general body meeting, students come together to hear updates & upcoming participation opportunities from each committee and some competition teams over a meal! GBMs are often followed by a company speaker or intra-club networking activity. These meetings are integral to the club's functioning as they provide a space for students to deepen relationships & learn how to get involved!

By the Numbers

50 members typically attend
10-14 meetings per year (5-7 per semester)

Get Involved

\$1000: Speak for 30 minutes + 15 minutes questions with slideshow presentation at a GBM



: This activity is performed regularly and involves the general body

: This activity is a competition team or special event

Externals Committee

The externals committee is devoted to spreading internship and research opportunities for AIChE members. Info Sessions organized by our officers give speakers a chance to share their company values and success story and build relationships between students and companies or graduate schools by allowing discussion and résumé collection. Additionally, the Career Showcase co-led with the Chemical Engineering Department fosters connections between students and companies.

By the Numbers

25 members typically attend
10-14 Info Sessions per year (5-7 per semester)

Get Involved

\$250: Speak at an Info Session for up to 40 minutes + 15 minutes for questions with slideshow presentation



- 👤: This activity is performed regularly and involves the general body
★: This activity is a competition team or special event



Internals Committee

The Internals Committee plays a crucial role in enhancing the social and professional lives of AIChE members by organizing a variety of engaging events and programs. This committee is dedicated to creating opportunities for students to connect outside the academic setting, providing a relaxing atmosphere where they can meet new friends and unwind from the pressures of coursework. The committee plans events such as social mixers, game nights, and events with other engineering organizations, ensuring that students have a chance to enjoy their time in AIChE. Additionally, the Internals Committee oversees the mentor-mentee program, pairing underclassmen with upperclassmen who offer guidance and support throughout their academic journey. This mentorship not only helps new students navigate their studies but also fosters a sense of community and belonging within the AIChE chapter. By facilitating these connections and providing a platform for students to get involved, the Internals Committee is an important part of AIChE.

By the Numbers

15-30 members typically attend social events

20-40 members typically in mentor-mentee program

Get Involved

Support UF AIChE through one of our [package opportunities](#)!



This activity is performed regularly and involves the general body



This activity is a competition team or special event



Marketing Committee

The marketing committee is the primary source of communication between the student body, officers, the department, and the university! We manage the social media for AIChE and create all of the flyers for all of our different events. The committee is also in charge of creating the semesterly newsletter. The newsletter is a recap of the last semester within AIChE. It typically includes pictures and information from events, conferences, and design teams. The third main responsibility of the marketing committee is to create, update, and maintain the website. The website contains everything to do with AIChE at the University of Florida including, but not limited to, what we do, who we are, points trackers for active members, and how to get involved. By managing the routes of communication between the club and the student body, the marketing committee exhibits its necessity for the continuous growth and success of our AIChE chapter.

By the Numbers

1 Semesterly newsletter

25+ flyers created in Spring 2024

Get Involved

Support UF AIChE through one of our [package opportunities!](#)



These images show examples of flyers made by the marketing committee as well as a general body meeting (GBM).



: This activity is performed regularly and involves the general body



: This activity is a competition team or special event

Outreach Committee

The Outreach Committee promotes chemical engineering in our community by engaging in meaningful service. Community activities include demonstrations at the Cade Museum for Creativity & Invention, where we offer hands-on learning experiences, and collaboration with Habitat for Humanity, where we take on the rewarding task of constructing a house for a family in need.

We also engage in K12 outreach, participating in STEAM nights at local schools & educational demonstrations to introduce young students to the world of science and engineering. Additionally, each year we design a K12 experiment focused on essential chemical engineering principles to compete at the National K12 STEM Outreach Competition & to distribute online for K12 teachers to integrate chemical engineering into their classrooms.

Finally, we collaborate with our Sister Chapter, *Universidad ICESI* in Colombia, to foster cross-cultural exchange and innovation.

By the Numbers

2-3 Students travel to conference to present submission to K12 National STEM Outreach Competition per year
7-10 events per semester

Get Involved

Support UF AIChE through one of our [package opportunities](#), or support K12 STEM Outreach Project directly ([see "Summary" page](#))



: This activity is performed regularly and involves the general body

★: This activity is a competition team or special event

Special Events Committee

The Special Events Committee is dedicated to planning our two major events - Sophomore Retreat & travel to National or Regional Conference, as well as hosting professional development events like resume building & career showcase workshops. Sophomore Retreat is an event for sophomores and transfer students in the Chemical Engineering Degree Program to provide information about the paths their careers could follow and opportunities available before graduation. The Special Events committee also finds travel and lodging for the attending members and coordinates with the department to follow budgetary guidelines.

By the Numbers

2 major events

50+ students attended

Annual Student Conference
in 2023

Get Involved

\$400: Support 1 student's travel & registration for Regional conference

\$800: Support 1 student's travel and registration for National conference

Please see the [next page](#) to support Sophomore Retreat



: This activity is performed regularly and involves the general body

: This activity is a competition team or special event

★ Sophomore Retreat



Sophomore Retreat is making a comeback! This half-day event aims to connect second-year undergraduates with fellow students and professionals in the Chemical Engineering community. For students enrolled in their first core courses in ChemE, the retreat is an opportunity to be further immersed into all the field has to offer. Participants are able to “break the ice” through fun activities and games as well as gain insights from panelists, alumni, and professors. Sophomore Retreat is the ideal space for students to network one-on-one with design teams, graduate schools, and industry recruiters.

This annual event is hosted in the fall around Career Showcase at the University of Florida to engage sophomores with their peers and industry recruiters in a congenial atmosphere. This way, students can obtain a lasting impression of a company’s culture as they explore future internships and full-time careers. AIChE at UF’s goal is to re-establish Sophomore Retreat as a recurring event to promote the professional development of Gator ChemEs.

By the Numbers

40 participants at previous events

3+ clubs and design teams attending to develop sophomores

Get Involved

\$450: Keynote presentation for 45 minutes + 15 minutes Q&A and exclusive networking with students

👤: This activity is performed regularly and involves the general body

★: This activity is a competition team or special event

★ ChemE Car



ChemE Car is a competition design team tasked with designing an autonomous car that is powered and stopped by chemical reactions. The car's goal is to accurately travel a distance set the day of competition. ChemE Car frequently travels to the AIChE regional and national conferences.

ChemE Car is a great opportunity for students of all experience levels to learn about the engineering design process. From prototyping, 3D design, and arduino code to troubleshooting, calibration, and documentation, getting the car competition-ready requires a lot of work from various teams. ChemE Car affords many skills to its students, including research and development, problem-solving, as well as leadership opportunities.



We have very exciting plans for the future including the development of solid-state copper-zinc batteries. We plan to design a new housing to fit these batteries, as well as overhaul the stopping mechanism reaction to be more accurate and reliable than previous years. The electromechanical team will be invaluable in redesigning and printing parts for the car.

By the Numbers

25 team members

\$6800 yearly budget

Get Involved

Please see “[Summary of Individual Involvement Opportunities](#)” for tiered sponsorship options.



The UF ChemE Cube Design Team is on an innovative journey towards a sustainable future by sponsoring our groundbreaking project. Established just last semester, our team has already made significant strides by qualifying for the national AIChE competition. We've developed a modular and cost-effective direct air capture device that leverages a solvent-based process to remove CO₂ from ambient air, and nurtured our members' ability to advocate for their ideas &

communicate technical concepts with a qualifying presentation, sales pitch, and video advertisement.

In 2023, the world produced approximately 17 times more CO₂ than it captured, underscoring the urgent need for innovative carbon-negative technologies. Our design offers a promising solution:

- **Advanced Technology:** We utilize a robust solvent-based extraction method using potassium glycinate, which is not only highly efficient but also widely available, affordable, and safe
- **Scalable and Customizable:** Our device is modular, allowing for customization in length, flow configuration, solvent concentration, and pump orientation. This flexibility enables us to tailor the system to various applications and environments.
- **Energy Efficiency:** Captured CO₂ can be regenerated at a temperature around 100°C, much lower than other solvent alternatives, making our system more energy-efficient and cost-effective.

By sponsoring the UF ChemE Cube Design Team is a way to invest not only in cutting-edge technology but also in a future where carbon-negative solutions are within reach.

By the Numbers

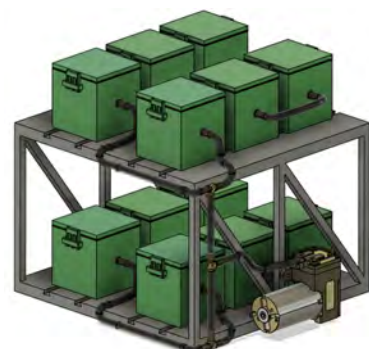
1'x1' cube

\$5500 yearly budget

8 team members

Get Involved

Please see the “[Summary of Individual Involvement Opportunities](#)” for tiered sponsorship options.



👤: This activity is performed regularly and involves the general body

★: This activity is a competition team or special event

Summary of Individual Involvement Opportunities

The chart below reiterates “Get Involved” opportunities for specific events from previous sections. These can be used “à la carte” or with the packages listed in the next section.

Type	Benefit		Level
	Info Session		\$250
	Presentation at a General Body Meeting		\$1000
	Organization Name & Logo on K12 National STEM Outreach Competition Handout Submission		\$200
	Presentation at Sophomore Retreat		\$450
	ChemE Car	Organization Name & Logo on ChemE Car Competition Poster	\$500+
		Previous & Organization Name & Logo on ChemE Car Team Polo Shirts	\$750+
		Previous & Organization Name & Logo on the ChemE Car itself	\$1000+
	ChemE Cube	Organization Name & Logo on ChemE Cube Competition Video Advertisement	\$500+

		Previous & Organization Name & Logo on ChemE Cube Competition Poster	\$750+
		Previous & Organization Name & Logo on ChemE Cube Competition T-Shirt	\$1000+

Additional Involvement Opportunities: Packages

Packages are a great way to support AIChE at UF as a whole. Support from packages may fund: travel to AIChE National & Regional conferences, food for students at our meetings & events, community volunteering, and more. These can be used alone or with any individual sponsorship opportunity.

Benefit	Level					
	Carbon \$250	Iron \$500	Bronze \$750	Gold \$1000	Silver \$1500	Platinum \$2500
Organization name & logo on AIChE at UF presentations & website (excluding competition teams)						
Info Session (with option to distribute organization swag!)					*	*
Organization name & logo on AIChE at UF member t-shirts						
Organization name & logo on Instagram announcements & officer email signatures						
Presentation at <u>choice</u> of Info Session or GBM						
Entry Level benefit from any  opportunity from previous section (e.g. ChemE Cube)						

** This benefit is replaced by a choice of Info Session or GBM speaking opportunity at the Silver & Platinum levels.*

Donate Today

Support UF AIChE by accessing our donation link [here](https://www.uff.ufl.edu/give-now/?fund_id=019169&appeal=GESWRAS). If you'd like to participate in one of our sponsorship packages or individual involvement opportunities, please indicate your preference under, "I would like to provide additional information about this gift."

Web Address

https://www.uff.ufl.edu/give-now/?fund_id=019169&appeal=GESWRAS

Address for Checks

Chemical Engineering

ATTN: Jill Boswell

PO Box 116005

Gainesville, FL. 32611

Thank You!

