2024 Celebration of Engineering
Presented by KEEN Engineering Unleashed
Schedule and Deadlines

Event – Friday June 7, 2024

2:00-5:00 PM
General Senior Design Competition: Bossone Engineering Center
First Year Design Competition: Bossone Engineering Center
Undergraduate Research Competition: Bossone Engineering Center

12:30-5:00 PM
Senior Design Champion Competition: Mitchell Auditorium & First Floor, Bossone Engineering Center

Any senior design/capstone team from the College of Engineering can participate in the General Senior Design Competition. Specific teams will be selected to compete in the Senior Design Champion Competition based on department criteria. Any student group in ENGR 113may be part of the First Year Design Competition. Any undergraduate students in their sophomore, pre-junior, or junior year that are conducting research, may be part of the Undergraduate Research Competition.

KEEN Engineering Unleashed centers on a community of universities that values developing well-rounded engineers that use curiosity about our rapidly changing world, make connections by pursuing knowledge that is integrated into their own discoveries, and create value for others as they pursue innovative solutions to current and future problems. As part of your application, you are asked to answer one of three questions to illustrate how you have used curiosity, made connections, or created value as part of your work.

Celebration of Engineering Schedules

General Senior Design Competition
First-Year Design Competition
Undergraduate Research Competition

2:00	All Posters/Prototypes/Demonstrations in Place in Bossone
2:15-3:45	Student, Faculty, and Professional Staff Voting
3:45-4:00	Tabulation of Votes
4:00	Awards Ceremony

Senior Design Champion Competition

12:30	Welcome
12:40	Introduction of Judges, Review of Procedures
12:50	Chemical Engineering
1:00	Civil, Architectural, Environmental Engineering #1
1:10	Civil, Architectural, Environmental Engineering #2
1:20	Construction Management
1:30 – 1:40	Break
1:50	Electrical and Computer Engineering #1
2:00	Electrical and Computer Engineering #2
2:10	Engineering Technology
2:20	Materials Science and Engineering
2:30	Mechanical Engineering and Mechanics #1
2:40	Mechanical Engineering and Mechanics #2
2:50-3:00	Transition Time
3:00 – 4:00	Public session begins for Judges & Faculty
4:00	Awards Ceremony

Deadlines for Competing Senior Design, First Year Design, and Undergraduate Research Teams

Competition Sign-Up – Due 5:00 PM on Wednesday, May 22, 2024
Senior Design Teams, First-Year Design Teams and Undergraduate Researchers participating in the 2023 Celebration of Engineering competition need to sign-up. Provide the following information:

- Indicate specific competition (Senior Design, First-Year Design or Undergraduate Research)
- Title
- Name(s) of students who worked on the project
- Advisor Name(s)
- Answer at least one of the following questions as it relates to your project:
    1. **Curiosity:** As you have worked on your project, what is an example of how your original approach was changed due to the discovery of new ideas or perspectives?
    2. **Connections:** What is an example of how you or your team pursued new information (for example: talking to stakeholders, reviewing new research, or learning to use new software) in order to inform the work that you did on the project?
    3. **Creative Value:** How will the outcome of your project make a positive impact on society?

Submit your registration through this link.

Poster/Prototype/Demonstration – Due at the event Friday, June 7, 2024
To be eligible for the competition, students must present a poster, prototype and/or other demonstration of their work. Posters/prototype/demonstrations must be in place by 2:00 PM. There must be at least one member of the team present from 2:15 to 3:45 PM during the voting.

Deadlines for Senior Design Champion Competition

All senior design teams participating in the 2024 Senior Design Champion Competition need to follow these guidelines and deadlines:

Abstract & Question Submission – Due 5:00 PM Wednesday, May 29, 2024
Each team must submit their abstract and answer at least one of the following questions by emailing both to Dr. Chris Weyant (cmw320@drexel.edu).

Answer at least one of the following questions as it relates to your project (maximum 100 words for each answer):

1. **Curiosity:** As you have worked on your project, what is an example of how your original approach was changed due to the discovery of new ideas or perspectives?
2. **Connections:** What is an example of how you or your team pursued new information (for example: talking to stakeholders, reviewing new research, or learning to use new software) in order to inform the work that you did on the project?
3. **Creative Value:** How will the outcome of your project make a positive impact on society?

Presentation – Due 5:00 PM Wednesday, June 5, 2024
Each Faculty Senior Design Coordinator will upload the team's PowerPoint presentation to the COE Senior Design Coordinators Teams site. Each presentation must have timed slide changes so the entire presentation takes 6 minutes and 40 seconds.

Senior Design Student Groups will be given the opportunity to practice their presentations in Mitchell on Thursday, June 6, 2024, 3:00 to 7:00 PM.

Poster – Due at the event Friday, June 7, 2024
Teams should set up their poster at 12:00 PM prior to the start of the oral presentations.

Judging for Award Categories

The **2024 Celebration of Engineering Design General Competition** based on the posters, prototypes, or other demonstration will have three categories:

- **General Senior Design Competition**
- **First-Year Design Competition**
- **Undergraduate Research Competition**

Voting is based on tokens. Voters get one token for each category and place it in a container on the table of the team they support.
Each category will be weighted as follows:

- Drexel Students: 70%
- Drexel Faculty and Staff: 30%

The awards for each of the three categories are:

- General Senior Design Competition (1st - $750; 2nd - $500; 3rd - $250)
- First-Year Design Competition (1st - $400; 2nd - $300; 3rd - $200)
- Undergraduate Research Competition (1st - $300; 2nd - $200; 3rd - $100)

The **2024 Senior Design Champion Competition** will be judged as follows:

- External Judges: 85% (50% for presentation, 35% for poster)
- Drexel Faculty, Staff, and Student Voting: 15%

Judges will use rubrics that result in numerical scores, while public voting is based on tokens. Voters can get one token and place it in a container on the table of the Senior Design Champion team they support.

The awards for the Senior Design Champion are:

1st Place - $2,000, 2nd Place - $1,500, 3rd Place - $1,000