

## Competition Format

### Day 1 - Friday, January 31st, 2025

All teams will check in no later than 5:00 PM. The ASBME President and Vice President will kick off the Make-A-Thon with a presentation explaining the schedule and resources available to participants. Then, there will be a keynote speech by a professional in the field. Following the challenge presentations, the medical device design challenge and Maker's Toolkit will be released.

The Maker's Toolkit will have everything you need for the rest of the competition (i.e. schedule, challenge information, software resources, technical workshop videos, prototyping rules, final presentation guidelines, judging criteria). Teams should read the challenge/background information upon its release and begin researching the topic. A subsequent Q&A will allow teams to ask the Makeathon Committee any questions about the format of the competition.

### Day 2 - Saturday, February 1st, 2025

All teams will check in with a Makeathon committee member at 7:30 AM. Following this check-in, teams will continue their research and brainstorm possible solutions to the challenge posed.

Technical workshop sessions will be available from 9:00 AM to 12:00 PM. We encourage everyone to attend these sessions in order to pick up new skills that may be valuable in the competition and beyond. Following the technical office hours, teams will have the opportunity to consult with mentors between 12:00 and 3:00 PM. These mentor office hours are intended to allow teams to get personalized advice and feedback on their designs thus far.

An informal presentation and proof of concept of your design will be due at 3:00 PM. After this deadline, teams will deliver a brief 5-6 minute informal presentation to a panel of mentors at an assigned time between 3:30 and 5:00 PM. The purpose of this presentation is to present the problem/need addressed and justify preliminary designs. Teams will be given feedback from the mentors at 5:30 PM. Finally, between 6:00 PM and 10:00 PM, teams will have the opportunity to access a fabrication space and 3-D printers to aid in the development of their prototype, if they wish to utilize it.



## Day 3 - Sunday, February 2nd, 2025

All teams will check in with a Makeathon committee member at 7:30 AM. The 3-D printers and fabrication space will once again be available from 8:00 AM to 2:00 PM to aid in any last-minute prototyping. From 10:00 AM to 12:00 PM, teams will have the opportunity to run their ideas by mentors and get more feedback on their design and presentation.

Teams will have until 2:00 PM to refine their designs and finish preparing their final presentations before the final presentation submission deadline at 2:00 PM. Following the submission of their presentations, teams will take the next hour to clear their areas and migrate to the presentation room. Teams may practice their presentations before the final presentation period, which will take place from 3:00 to 5:30 PM.

All teams will deliver a seven-minute presentation to all participants and a judging panel composed of professors and industry representatives. There will be three minutes for Q&A. Time will be strictly enforced, and the order of the presentations will be random. We strongly recommend that teams follow the presentation guidelines outlined in the "Final Presentation Guidelines" document in the Judging Criteria and Presentations folder of the Maker's Toolkit. Judges will be using the criteria found in the "Judging Criteria" document in the same folder of the toolkit.

The competition will officially conclude with an awards ceremony from 6:30 to 7:00 PM where the 1st, 2nd, 3rd place, and honorable mention teams will be announced.

