

The University of Oklahoma

SONER

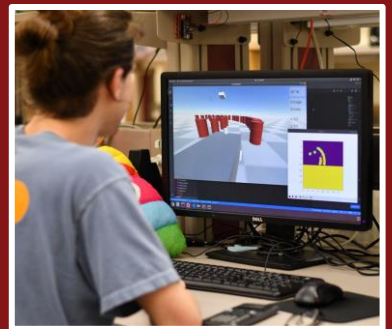
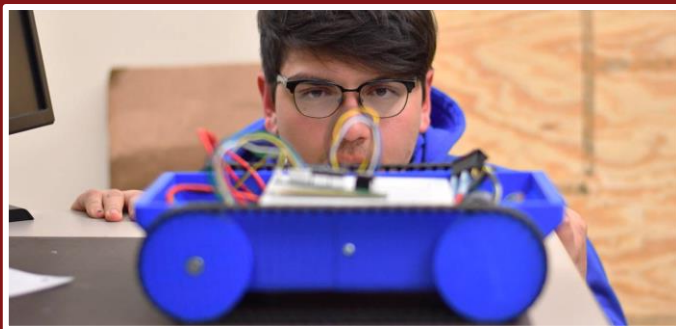
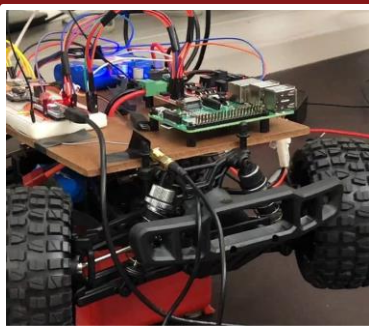
COMPETITIVE
ROBOTICS



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Our Mission

Our Mission

The mission of **Sooner Competitive Robotics (SCR)** is to build engineering excellence within the Gallogly College of Engineering (GCoE), the University of Oklahoma, and the State of Oklahoma.

SCR accomplishes our mission by providing engineering experience through creating robots that compete in a variety of robotic competitions. We support GCoE through actively engaging in outreach opportunities such as through engineering recruitment events and collaborations with other university organizations.

Our alumni graduate with skills and experience that set them apart from their peers. Our alumni can be found at engineering companies and graduate programs all over the U.S. in fields like robotics, aerospace, defense, and research.

Our Teams

AutoNav Team

Our AutoNav team competes at IGVC AutoNav, an annual international competition focused on terrestrial autonomous vehicle navigation. Each year, this team builds a new robot to compete and represents GCoE and the University of Oklahoma. We strive to use industry-standard technology and push the capabilities of our team. In our first two years competing, we achieved 1st place (2021) and 2nd place (2022) results.

See more about the competition at www.igvc.org



Our Teams

AquaNav Team

Our AquaNav Team is our newest team as of 2022. The goal of this team is to research and develop our first aquatic robot. Using the experience gained, we plan to compete in the RoboBoat competition in addition to IGVC in 2024. We will research how to build a robot that is competitive with the best teams at RoboBoat as well as using the latest in aquatic vehicle research.

See more about the competition at roboboat.org



Our People

A Step Above

Robotics is an interdisciplinary field, so we get the wonderful privilege of working with a diverse set of students. Our organization provides a welcoming environment that lets our members grow and learn skills both within their discipline and in others. On our team, all our members gain experience in a variety of engineering skills

Electrical

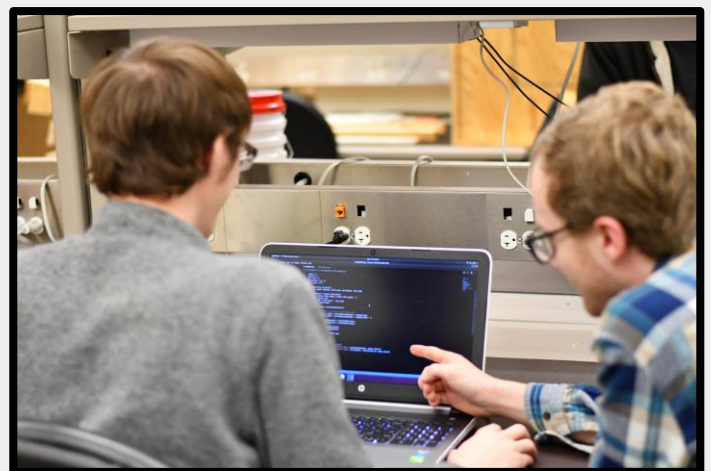
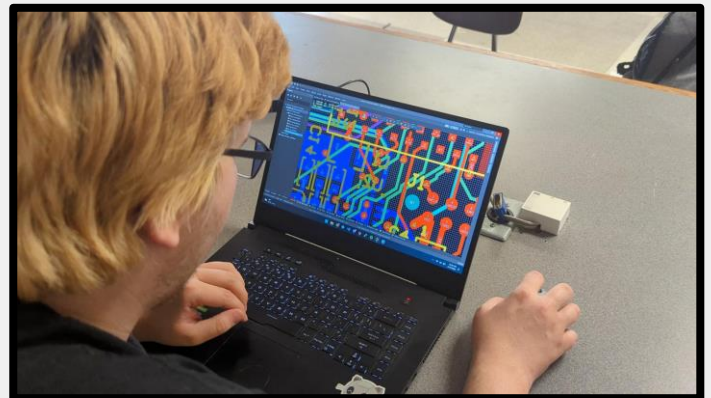
- PCB design
- ECAD Tools (Altium, KiCad)
- Digital Logic
- Circuit design

Mechanical

- CAD Design
- Mechanical Parts Fabrication
- Design Calculations
- Rapid Prototyping

Software

- ROS
- Path planning algorithms
- Simulation technology
- Embedded Software





Why Sponsor

Represent your company

We represent all of our sponsors at every competition, outreach event, and recruitment event we attend. We do this through sponsor logos on our team uniforms, banners, and robots.

Support engineering in Oklahoma

Many of our alumni help form the success of corporate and government engineering teams all across Oklahoma. We also encourage our members to look to our sponsors for employment opportunities!

Ensure SCR's future success

Every donation to our team helps us buy better equipment for our lab, better materials for our robots, and support more events that we can attend.

Sponsor Tiers

<i>Benefits</i>	Bronze Up to \$1,000	Silver \$1,000 to \$4,000	Gold \$4,000 to \$10,000
Recruitment Advertising	✓	✓	✓
Social Media Feature		✓	✓
Company Visits to our Lab			✓
Branding on Website	Medium	Medium	Large
Branding on Team Shirt		Medium	Large
Branding on Robots			Large

TITLE SPONSOR

\$10,000+

All our benefits of Gold sponsors plus

- Have us demo or table at your event(s)
- Logo on a banner in OU Engineering Practice Facility
- Open discussion to other benefits

We also welcome contributions of gifts in kind, parts, materials, or other services your company may offer! Benefits tier determined by market value of such parts, material, or services.

Contact Us

Interested in sponsoring us or have any questions?
Email us at scr@ou.edu

Website ou.edu/scr

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