

UW TOBOGGAN



Sponsorship Package

Dear Sponsors,

UW Toboggan is a group of 25 engineering students preparing to compete in the upcoming Great Northern Concrete Toboggan Race (GNCTR) in Montréal, Québec, where we will compete against teams from across the country.

At UW Toboggan, we are driven by a passion for designing innovative yet practical solutions that prioritize sustainability. In both 2023 and 2024, UW Toboggan won the Sustainability award and is dedicated to continuing our sustainability efforts to maintain this momentum. This year, our team plans to focus on improving the design and construction of our mechanical systems, reducing the weight of our frame, and improving concrete reinforcement.

With the support of sponsors, we aim to enhance our competition outcomes and provide invaluable experiential learning opportunities to our team members. Your sponsorship would help purchase materials to build our competition toboggan, safety equipment, and GNCTR competition fees.

In return for your generosity, we offer a range of benefits, including:

- Recognition in our promotional materials, including our website, social media, and competition toboggan
- Opportunities for visibility at key events, including GNCTR 2025 and the University of Waterloo Networking Events
- Potential networking opportunities with our team members and access to network events organized by the University of Waterloo

In this sponsorship package, you will find detailed information about our sponsorship levels and the specific benefits associated with each level. We would be thrilled to discuss these opportunities further and explore how we can tailor our partnership to best meet your company's objectives.

Thank you for considering this request. Your support would not only benefit our team but also contribute to the development of future leaders in engineering. We look forward to the possibility of working together to achieve success at GNCTR and beyond.

Warm regards,



Amy Thuesen
Captain, UW Toboggan
amy.thuesen@uwaterloo.ca

Meet Our Team



We are a multi-disciplinary engineering design team; combining the efforts of students in civil, mechanical, mechatronics, chemical and other engineering programs to design and construct a concrete toboggan. Our team competes against schools from across Canada in exciting culminations of our efforts at the annual GNCTR competition.

Our Subteams

Mechanical

Our mechanical team carefully designs steering, braking, front and rear ski attachments as well as the metal frame of the toboggan.

Concrete

The concrete team designs the entirety of the skis; from mix design to ski geometry. Throughout the term, they test various concrete mixes with an emphasis on sustainability and innovation.

Spirit

The spirit team designs our technical display, team apparel, and boosts team morale throughout the term.

Sustainability

Our sustainability team is the best, coming first in sustainability at GNCTR 2023 and 2024. They research alternative materials and methods to lower our emissions throughout the season.

The Competition

The Great Northern Concrete Toboggan Race (GNCTR) invites over 450 students from 20 different teams across North America to race concrete toboggans they designed. This competition is the oldest and largest engineering competition in Canada, beginning in 1974! The University of Waterloo began competing in 1984, making us the oldest design team on our campus.

The toboggan must be under 350lbs and safely carry five riders. Points are awarded based on our mechanical systems, mix design, safety, sustainability and much more. We compete in multiple events on race day; including a slalom run and King of the Hill battle.

The 2025 Season

This season we are competing in Montréal in January of 2025.

We will be focusing on maintaining our excellence in the sustainability category while improving our technical performance.

<https://gnctr2025.ca/>



Our Toboggan

Concrete

This year, the concrete team is creating an innovative design that uses threaded rods to pre-stress the ski, as well as using saw dust as a sustainable substitute for traditional fine aggregate. The concrete team also uses design elements used by the ski industry to ensure precise maneuverability and efficient sliding in varying snow conditions.















Mechanical

We plan to use aluminum to create lightweight mechanical components while maintaining desired strength. This will be reflected in majority of the mechanical design to ensure we are prepared for all snow conditions. Additionally, rear suspension will be added for passenger support and comfort. We are also incorporating electromagnets this year for brake activation! Lots of new and exciting projects on the way!

Sponsorship Levels

The University of Waterloo Concrete Toboggan Team plans to compete in the Great Northern Concrete Toboggan Race in 2025, but we need your financial help to do so! As thanks for your company's support of experiential learning, the team offers various tiers shown below. Alternatively, your company can support the team through an online tax-refundable charitable donation or material donation. If you are interested in sponsoring the team, please reach out to toboggan@uwaterloo.ca.

Sponsorship Level	Bronze \$500	Silver \$1000	Gold \$1500	Concrete \$2000
Logo on Shirts	Small	Medium	Large	Extra Large
Team Resume Bank				
Logo on Toboggan				
Social Media Spotlight				
Industry Night Priority Invite				
Team Meet and Greet				

**For more information please
contact us at:
toboggan@uwaterloo.ca**

