

FRC

FIRST® Robotics Competition



The **FIRST**® Robotics Competition: CAREERS

“This is the only sport I know of where everybody who plays can become a pro.”

Walter P. Havenstein
Vice-Chairman, **FIRST**

*“Leveraging the same tools professional engineers use, **FIRST** provides an opportunity for students to participate in hands-on, project-based, collaborative learning and helps students develop skills they can carry into successful careers.”*

Ray Hsu
Senior Program Manager
for K-12 Education
NI

Compared to a group of students with similar backgrounds and achievement in high-school math and science, **FRC** Alumni are:

10 times as likely to have had an apprenticeship, internship, or co-op job in their college freshman year (27% vs. 3%).

More than twice as likely to expect to have a science or technology-related career after college (45% vs. 20%).

Four times as likely to pursue a career in engineering (31% vs. 8%).

Source: Brandeis University
Impact Evaluation

Enabling Careers in Science and Technology

Every student can actively participate in and benefit from the **FIRST**® Robotics Competition (**FRC**®), even those who may not be partial to science, math, or technology. In **FIRST**®, there are critical roles for students in everything from design and build, to computer programming and animation, as well as to fundraising, research, and community outreach.

FRC participants, as well as participants in **FIRST** K-12 robotics programs, use LabVIEW® graphical design software from NI, a tool used by professional engineers.

Throughout the **FRC** experience, students gain maturity, build self-confidence, learn teamwork, and gain an understanding of professionalism. They learn skills along the way that all but guarantee them extraordinary career opportunities in a host of exciting fields:

Math

(algebra, geometry, trig, calculus)

Science

(physics, chemistry, experimentation)

Language Arts

(writing, public speaking)

Business

(marketing, public relations, fundraising)

Finance

(accounting)

Computer Science

(programming, software development, 3D animation)

Fabrication

(woodworking, metalworking)

Mentorship

Working side-by-side with professionals

Teamwork and Cooperation®

Gracious Professionalism®

* Defined on back of flyer



Investing in the Future Workforce

Sponsors and Mentors find future employees and interns through their involvement with **FRC**. According to a Goodman Research Study, two-thirds of student participants indicated interest in working for one of their team Sponsors after completing their education, and one fifth had plans to work for one of their team Sponsors in a summer internship or a part-time job.

*“**FIRST** isn’t about building robots, it’s about developing life skills. The kids learn skills in relationships, teamwork, finance, fundraising, budgeting, and project management. The partnership between academia, the community, and industry...will build our future employees and future citizens.”*

Steve Sanghi
Chairman of the Board,
President & CEO
Microchip Technology
Member of the
FIRST Board
of Directors



FOR INSPIRATION AND RECOGNITION OF SCIENCE AND TECHNOLOGY **FIRST**

Get Involved!

Join or start a team in your area



Sponsor a team, event, or local *FIRST* program



Become a team Mentor or Coach



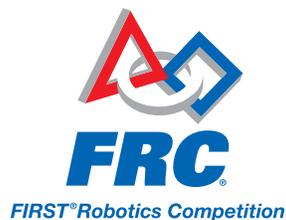
Volunteer to fill over 100 roles

For information about *FIRST*® in your area:

WWW.USFIRST.ORG/CONTACTUS
603-666-3906

* At *FIRST*, **Coopertition** is displaying unqualified kindness and respect in the face of fierce competition. Coopertition is founded on the concept and a philosophy that teams can and should help and cooperate with each other even as they compete.

Gracious Professionalism is part of the ethos of *FIRST*. It's a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community.



FOR INSPIRATION AND RECOGNITION OF SCIENCE AND TECHNOLOGY

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WWW.USFIRST.ORG

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