



CAREERS

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

» WALTER P. HAVENSTEIN, CEO, RETIRED, SCIENCE APPLICATIONS INTERNATIONAL CORPORATION (SAIC), MEMBER OF THE FIRST BOARD OF DIRECTORS

Compared to a group of students with similar backgrounds and achievement in high-school math and science, *FIRST*® Robotics Competition 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, 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.

Throughout their experience, students gain maturity, build self-confidence, learn teamwork, and gain an understanding of professionalism.

Participants use the same tools used by professional engineers, LabVIEW® graphical design software from National Instruments.

Students learn skills along the way that all but guarantee them extraordinary career opportunities in a host of exciting fields:

- **Math** – algebra, geometry, trig, and calculus
- **Science** – physics, chemistry, and experimentation
- **Language Arts** – writing and public speaking
- **Business** – marketing, public relations, and fundraising
- **Finance** – accounting
- **Computer Science** – programming, software development, 3D animation



- **Fabrication** – woodworking and metalworking
- **Mentorship** – Working side-by-side with professionals
- **Teamwork and Coopertition**®
- **Gracious Professionalism**®

Investing in the future workforce

“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, NATIONAL INSTRUMENTS

*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.

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.firstinspires.org/contactus | (603) 666-3906 | (800) 871-8326



FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

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