

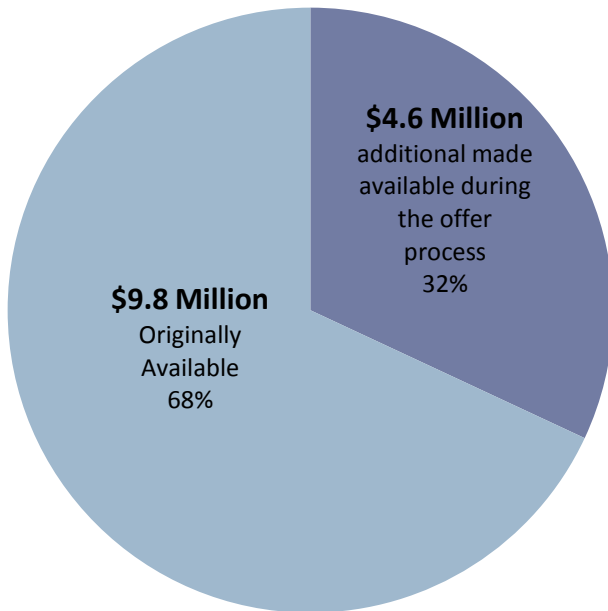


# 2009 *FIRST* Scholarship Program

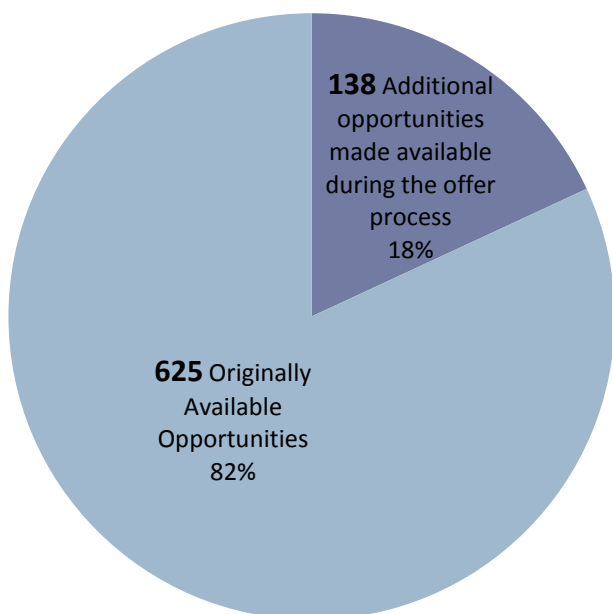
## Year-End Summary

### What scholarship opportunities were made available to *FIRST* students?

#### \$14.4 Million in Scholarships Available



#### 763 Scholarship Opportunities Available



#### Where Do *FIRST* Scholarships Come From?

*FIRST* Scholarship opportunities are made available by colleges, universities, corporations, and professional associations. During the 2009 *FIRST* season, the following originally available scholarship total offerings were known and advertised:

Offerings for students on FRC Teams:

- \$9.8 Million in college scholarships
- 625 individual scholarship opportunities
- Over 130 Scholarship Providers

#### Where Did the Additional Available Scholarships Come From?

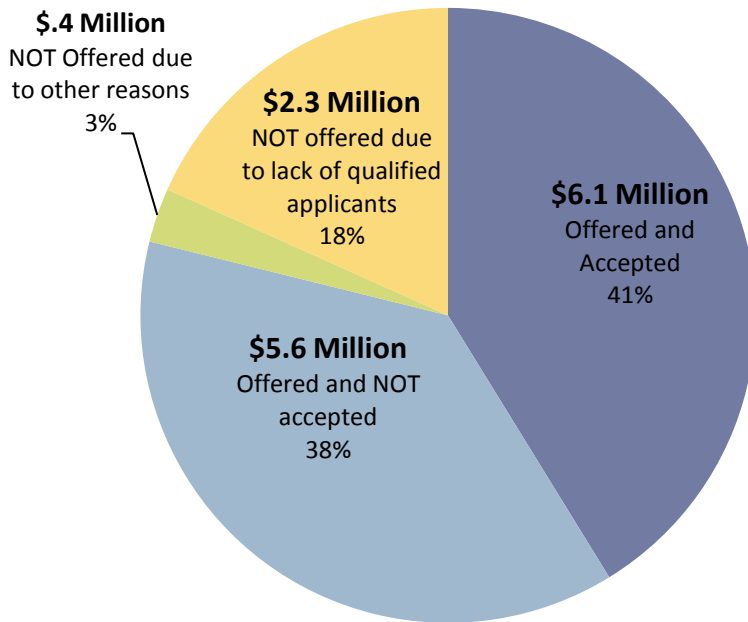
During the scholarship offer process, many scholarship providers offered more or larger scholarships than had been pledged. Thus the total available amount/quantity was increased. This is often done, knowing that not all scholarships that are offered will be accepted (awarded). For example, Illinois Institute of Technology pledged 3 scholarships, but ended up offering 5 scholarships.

Some of our scholarship providers pledge an “unlimited” number of scholarships, so an estimate is used when calculating the available scholarship amount. The amount actually offered by the school may vary from this estimate. For example, the “unlimited amount” that Florida Institute of Technology would give was estimated as 30. They actually offered 75 scholarships!

# What Was Offered to Students, and What Did They Accept?

Of the \$14.4 Million potentially available:

- \$11.7 Million (81%) was offered to students
- \$6.1 Million (42%) was accepted by students



## Why aren't all Available Scholarships Offered to Students?

Over 22 *FIRST* Scholarship Providers did not receive any scholarship applications, and thus did not offer any scholarships. Over 21 other providers received some applications, but not enough to be able to offer all of their available scholarships. Possible reasons for this lack of applications include:

- No *FIRST* students attended that school
- None of those attending qualified for the scholarship
- Eligible students attending that school did not bother to apply.

## What other reasons are there for scholarships NOT being offered?

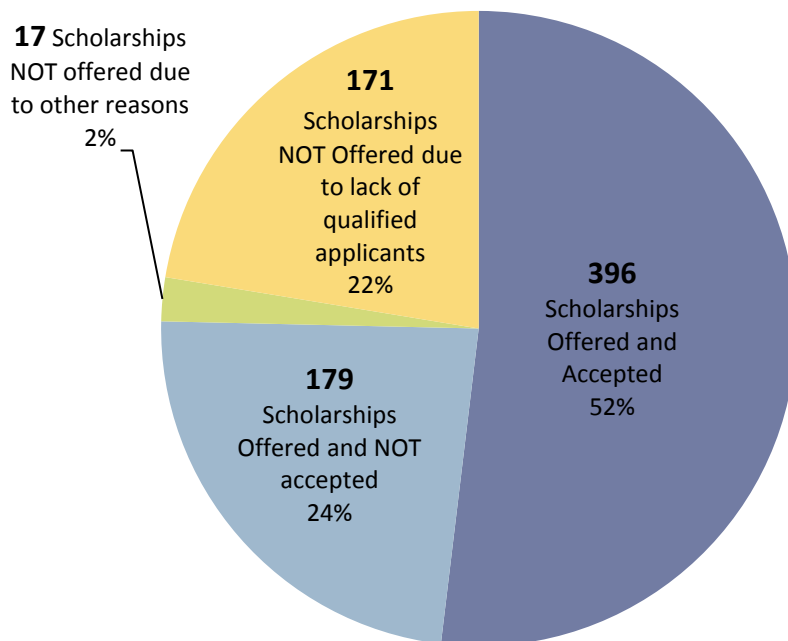
- Some schools only offer one scholarship to a student. If *FIRST* applicants qualify for a larger scholarship, they will be given that scholarship instead of the *FIRST* Scholarship.
- A few scholarship providers made no offers due to financial cuts.

## Why are there so many unaccepted scholarships?

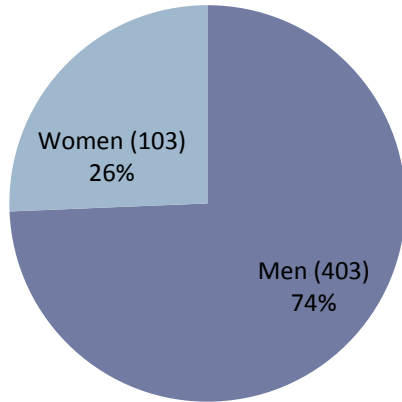
A student who has been offered a scholarship by a college/university can NOT accept this scholarship if they decide to attend another school. Some schools will then try to offer this scholarship to another student, but many schools do not do this. So these scholarships go unused.

Of the 763 potential scholarship opportunities:

- 575 Scholarships (75%) were offered
- 396 Scholarships (52%) were accepted

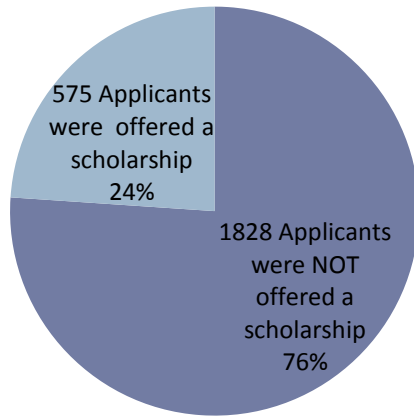


**26% Percent of *FIRST* Scholarships were Offered to Women\***



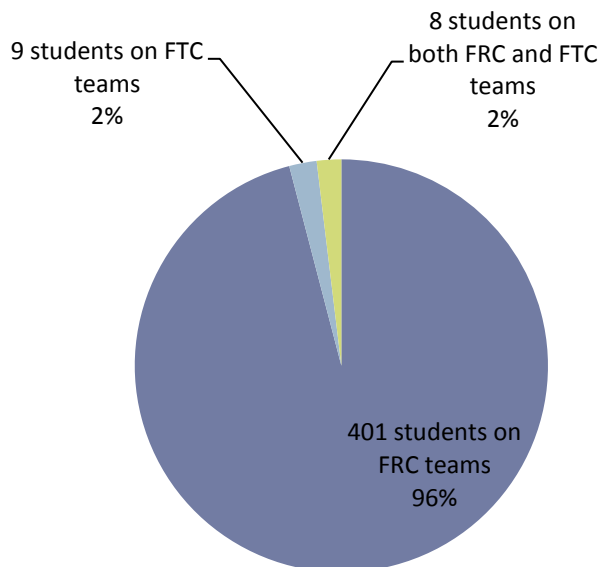
\*This is based on the 544 students offered scholarship whose gender was reported.

**One out of every four applicants was offered a scholarship\*\***



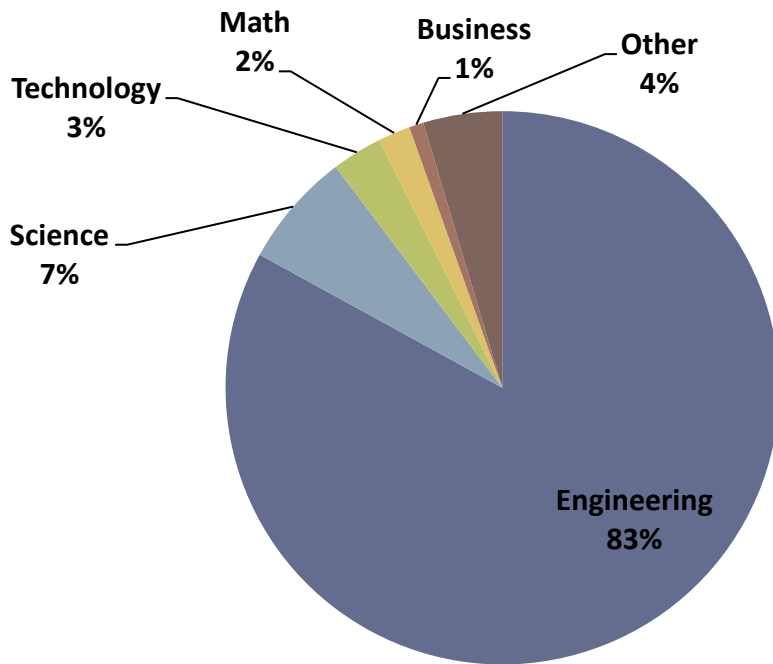
\*\* *FIRST* Scholarship Providers reported having a total of 2,403 applicants and offering a total of 575 scholarships. These are extremely good odds for winning a merit scholarship.

**4% of Scholarships were Offered to FTC students\*\*\***



\*\*\* We ask Scholarship Providers to report in which program (FRC or FTC) their scholarship winners participated. Not all of them track or provide this data. These results are based on the 418 students whose programs were reported.

## Intended Majors of the 2009 *FIRST* Scholarship Winners\*



\*This is based on the 476 students whose intended major was reported. See the chart below for details of specific majors within these major categories.

### Detailed Breakdown of Intended Majors

Intended Major	Number of students	Percent of total
Engineering	395	83.0%
Aeronautical Engineering	4	0.8%
AeroSpace Engineering	40	8.4%
Biological Engineering	3	0.6%
Biomedical Engineering	13	2.7%
Chemical Engineering	18	3.8%
Civil Engineering	6	1.3%
Computer Engineering	25	5.3%
Computer Network Systems	2	0.4%
Computer Science	37	7.8%
Computer Science & Engineering	4	0.8%
Electrical and Computer Engineering	6	1.3%
Electrical Engineering	40	8.4%
Engineering	51	10.7%
Engineering Exploration	4	0.8%
Engineering Physics	2	0.4%
Environmental Engineering	5	1.1%
Marine Engineering	1	0.2%

<b>Intended Major (continued)</b>	<b>Number of students</b>	<b>Percent of total</b>
Engineering (continued)	395	83.0%
Materials Science and Engineering	2	0.4%
Mechanical Engineering	113	23.7%
Ocean Engineering	2	0.4%
Pre-Med Engineering	1	0.2%
Real-Time Interactive Simulation	5	1.1%
Robotics Engineering	4	0.8%
Software Development	2	0.4%
Software Engineering	4	0.8%
Structural Engineering	1	0.2%
Science	32	6.7%
Astronomy and Astrophysics	1	0.2%
Biochemistry	6	1.3%
Biology	5	1.1%
Biophysics	1	0.2%
Chemistry	5	1.1%
Engineering Science	3	0.6%
Geology	2	0.4%
Marine Biology	2	0.4%
Neuroscience/Biological Chemistry	1	0.2%
Physics	5	1.1%
Psychology	1	0.2%
Technology	14	2.9%
Alternative Energy Technology	1	0.2%
Computer Engineering Technology	2	0.4%
Computer Information Systems	1	0.2%
Electrical Engineering Technology	3	0.6%
Industrial Engineering Technology	2	0.4%
Mechanical Engineering Technology	5	1.1%
Math	9	1.9%
Applied Mathematics	1	0.2%
Math	8	1.7%
Business	4	0.8%
Business	3	0.6%
Information Management	1	0.2%
Other	22	4.6%
Aviation Management, Flight	5	1.1%
Communications	2	0.4%
Digital Arts	1	0.2%
Digital Media	1	0.2%
Drafting and Design	1	0.2%
Game Design	2	0.4%
Game Design and Development	4	0.8%
General Studies	1	0.2%
Graphic Design	1	0.2%
Math Education	1	0.2%
Music Education	1	0.2%
Nursing	1	0.2%
Political Science	1	0.2%
<b>Total # of students:</b>	<b>476</b>	<b>100%</b>

## The Challenge for 2010

*FIRST* has no control over the number of offered *FIRST* Scholarships that are accepted by students. However, we may be able to affect the percent of available scholarships that are offered to students. Of course we will encourage students to apply for any of our 2010 *FIRST* Scholarships. But by being aware of the scholarship providers who did not get enough qualified applicants in 2009, we may be able to offer extra encouragement to students to apply for these scholarships in 2010. The following list of 2009 *FIRST* Scholarship Providers (who are also offering 2010 scholarships) is broken down to show which providers were unable to offer all or some of their scholarships, due to lack of qualified applicants, and which were able to offer all of their available scholarships.

### **These providers received NO applicants and therefore did not offer any scholarships**

City College of New York, CUNY  
Colorado Technical University - Denver  
Fluid Power Educational Foundation  
Lindenwood University  
Metropolitan Community College-Business & Technology  
Molloy College  
Montclair State University  
New Hampshire Technical Institute  
New Jersey Institute of Technology  
New School  
Oregon Institute of Technology  
Polytechnic University  
Schoolcraft College  
Society of Petroleum Engineers - Delta Section  
Spring Arbor University  
University of Arkansas-Little Rock  
University of Massachusetts Lowell - Engineering  
University of Nebraska-Lincoln  
Vermont Technical College  
Westwood College

### **These providers received some qualified applicants, but not enough to offer all of their scholarships**

Bradley University  
College of Southern Maryland  
Colorado State University  
DeVry University  
Fairleigh Dickinson University  
Hampshire College  
Hofstra University  
ITT Technical Institute  
Johnson & Wales University  
Pace University  
Plymouth State University  
Purdue University - Computer Science

**These providers received some qualified applicants, but not enough to offer all of their scholarships (continued)**

Sweet Briar College  
Temple University  
University of Illinois at Chicago  
University of Missouri  
University of New Hampshire  
University of South Carolina  
Virginia Commonwealth University  
Washington State University  
Wayne State University

**These providers received enough qualified applicants to offer all of their scholarships**

Adelphi University  
Arizona State University  
ASME - ASME Auxiliary  
BAE Systems  
Boston University  
Bucknell University  
Cal Poly San Luis Obispo/BAE Systems  
California State University, Los Angeles/Boeing  
Capitol College  
Carnegie Mellon University/Boeing  
Case Western Reserve University  
Clarkson University  
Daniel Webster College  
DePaul University  
DigiPen Institute of Technology  
Drexel University  
Eastern Michigan University  
Embry-Riddle Aeronautical University  
Ferris State University  
Florida A&M University/Boeing  
Florida Institute of Technology  
Georgia Institute of Technology  
Grand Valley State University  
Illinois Institute of Technology  
International Fluid Power Society  
Kansas State University  
Kettering University  
Lake Superior State University  
Lawrence Technological University  
Marquette University  
Massachusetts Institute of Technology  
Metropolitan Community College-Maple Woods  
Milwaukee School of Engineering  
Missouri University of Science and Technology  
New Mexico State University/Boeing  
Northeastern University  
Northwestern University  
Nuts, Bolts & Thingamajigs, The Foundation of FMA, Intl.  
Ohio State University

**These providers received enough qualified applicants to offer all of their scholarships (*continued*)**

Olin College of Engineering  
Oregon State University  
Penn State/BAE Systems  
Phil Clancy Memorial Scholarship  
Purdue University/BAE Systems  
Raytheon Company  
Rensselaer Polytechnic Institute/BAE Systems  
Rochester Institute of Technology  
Seattle Pacific University  
SME Education Foundation  
Society of Women Engineers - Houston Area  
Southern California Regional Robotics Forum (SCRRF)  
Stevens Institute of Technology  
Teradata Corporation  
Tulane University  
University of Arizona/BAE Systems  
University of Delaware  
University of Hartford  
University of Hawaii at Manoa/BAE Systems Scholarship  
University of Kansas  
University of Maryland/BAE Systems  
University of Massachusetts Lowell - SCIENCES  
University of Michigan/Delphi  
University of Minnesota/PTC  
University of Nevada Las Vegas-Engineering  
University of New Hampshire/BAE Systems  
University of Rochester  
University of South Florida  
University of Southern California  
University of Texas - Austin  
University of Toronto  
University of Washington/Boeing  
University of Waterloo  
University of Wisconsin-Madison  
Virginia Tech/BAE Systems  
Washington University in St. Louis/Boeing  
Worcester Polytechnic Institute - Design Innovation Scholarship

**These providers have not reported their 2009 *FIRST* Scholarship results**

College for Creative Studies  
Norfolk State University/BAE Systems  
Pennsylvania College of Technology  
Washtenaw Community College  
William Paterson University