

Innovative engineering education



class of 2013 at a glance

Olin's class of 2013 has arrived and they are every bit as creative, driven, entrepreneurial, athletic and well-rounded as their predecessors. Among them is a student who was invited to play at the National Symphony Orchestra's Youth Orchestra Day; a United Nations Association-USA essay contest National Semifinalist; an entrepreneur who founded a community service organization; an Outstanding Scholar as named by the NASA Aerospace Scholars Program; an author of two novels for future publication; a martial artist who studied intensively for eight months in China; a crafter of "awesome and award-winning" homecoming floats; and an environmentalist who converted her car to run on vegetable oil. They represent six countries (Australia; Canada; India; Nicaragua; Singapore; South Korea) and 26 states. Of the 86 students, 75 have been involved in community service, 56 were members of academic teams (including 40 captains), 52 are musicians, 59 are athletes, 21 are researchers, 23 are theater buffs, 4 are entrepreneurs and 24 have a real passion for robotics. They're a studious bunch: 29 are AP Scholars; two are US Presidential Scholars; 31 were National Merit Finalists; 1 was an Intel Finalist; one was a National Hispanic Scholar; 20 were valedictorians and 13 were salutatorians.

class profile

- Applicants 879
- Invited to Candidate Weekends 195
- Admitted 143
- Enrolled 86 students
- Geography 26 states and six countries
- Average GPA 4.6/4.0 (weighted)
- Percent Female/Male 53 percent women, 47 percent men
- Advanced Placement 86 percent recognized by AP Scholars Program
- National Scholarship Programs 36 percent National Merit Finalists
- Honors 20 valedictorians/13 salutatorians
- Leadership 87% community service; 65% competed on academic teams; 60% musicians; 69% athletes; 5% started a company; 45% held a job during high school; 24% involved in research projects; 27% drama/theater; 21% worked on student publications; 22% participated in student government; 28% on a robotics team and two presidential scholars

employment, graduate schools, research and internships

olin students and alumni have great opportunities!

Students enter Olin College ready for real-world challenges. Many of them spend summers in labs, corporations and service organizations after just one year at Olin. The project-based, real-world learning at Olin prepares them, and our Office of Post Graduate Planning helps to place them. The following information represents data from Olin's alumni classes of 2006-2009.

Top employers

- Akamai Technologies Inc.
- ATG, Inc.
- athenhealth
- Boeing Corporation *
- Boston Scientific *
- DEKA Research and Development Corp. *
- DRS Technologies *
- Energy Solutions
- General Dynamics *
- Google
- iRobot
- Massachusetts General Hospital
- Microsoft
- Northrup Grumman
- Pathway Medical Technologies
- Raytheon Corporation
- Rockwell Automation
- Tycos Electronics
- U.S. Navy
- Woods Hole Oceanographic Institution
- Y-Combinator

* Denotes a company that has also sponsored a SCOPE project

Top graduate schools

- Babson College F.W. Olin Graduate School of Business
- Carnegie Mellon University
- Columbia University
- Cornell University
- Harvard University
- MIT
- Stanford University
- University of California Berkeley
- University of California Santa Barbara
- University of Michigan
- University of Texas, Austin
- University of Washington

Includes alumni who are attending, have completed, or plan to attend

Top intern employers

- BBN Technologies
- Big Belly Solar
- Bluefin Robotics
- BOSE
- CIA
- DRS Technologies
- IBM
- iRobot
- Kiva
- Lux Scientiae
- Microsoft
- MITRE
- NASA - Jet Propulsion Lab
- Natick Soldier Systems Center
- Raytheon
- Soft Artisans
- Solidworks

Top non-olin sponsored research programs

- California Institute of Technology
- Cornell University
- Harvard University
- IMEC Research Labs, Belgium
- Keck Graduate Institute
- Lawrence Livermore National Lab
- MIT
- Princeton University
- Stanford
- UCLA
- University of Maryland
- University of Minnesota
- University of Southern California

olin alumni — where are they now?

- Employed: 58%
- Graduate school in Engineering, Math or Science: 21%
- Graduate school in Business, Law or Medicine: 7%
- Entrepreneurs: 4%
- Other: 10%



olin college 2009-10: At a glance

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About olin

The idea for Olin goes back nearly two decades. That's when the NSF and the leaders of the engineering community began urging fundamental reforms in engineering education, including more emphasis on entrepreneurship, teamwork, and communication. The F.W. Olin Foundation took up the challenge, committing more than \$460 million to create a new undergraduate engineering college. Bringing together some of the best minds and the best ideas in engineering education, Olin developed a hands-on, interdisciplinary program geared toward producing engineering innovators.



Nondiscrimination Statement

Olin College does not discriminate in admission, employment, or other college-administered programs on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, sexual orientation, or veteran, marital or citizenship status.



statistics at a glance

olin college

Location Needham, Massachusetts, 14 miles west of Boston

First Commencement May 2006

Majors Electrical and Computer Engineering, Mechanical Engineering, Engineering

Concentrations Bioengineering, Computing, Materials Science, Systems

Admission Highly selective, with an emphasis on outstanding academic achievement and extracurriculars; special attention given to creativity, passion and enterprise

Scholarship Policy Every admitted student receives a four-year, half-tuition scholarship valued at more than \$80,000

Funding The F.W. Olin Foundation committed in excess of \$460 million to support the college, one of the largest grants in the history of higher education

Facilities Olin's facilities encompass 382,000 sq. ft. of first-class academic, administrative and residential space, including a fully converged IT infrastructure, campus-wide wireless connectivity and state-of-the-art labs and classrooms

Opportunity Bring together top students and faculty in an outstanding learning environment to create a new engineering program incorporating the best educational practices and a commitment to continual innovation

Partnerships Olin, Wellesley and Babson colleges have announced their intention to pursue closer academic, social and business relationships as part of a wide-ranging collaboration that would bring together liberal arts, business and engineering perspectives to tackle major societal issues



student profile

Enrollment 337 students – 45 percent women/ 55 percent men

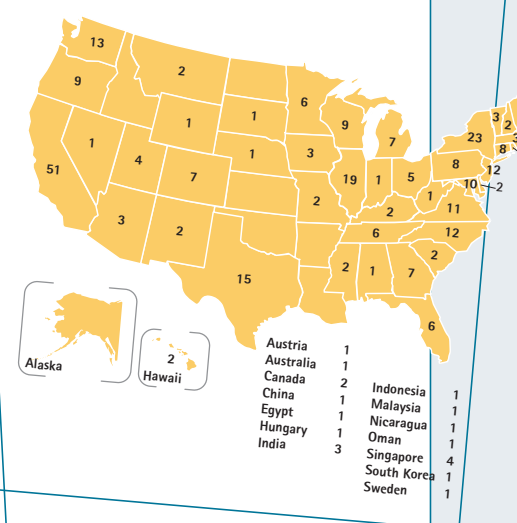
Origins 43 states, 18 foreign nationals, 23 with international backgrounds

Average Entering GPA 4.3/4.0 scale (weighted)

Testing Middle 50 percent of SAT-I scores 2120–2320

National Merit Finalists 41 percent

AP Scholars 81 percent



faculty profile

Olin's faculty numbers 33 Their expertise ranges from astrophysics to Chopin, from circuit design to entrepreneurship, from robotics to genetics. Working with the faculty are academic partners and instructors.

Applications Faculty was selected from a pool of more than 3,300 applicants

Student to Faculty Ratio 9 to 1

Passion Undergraduate teaching and working with students on research and scholarly activities

Innovation No tenure awarded; no academic departments; many faculty are multi-disciplinary

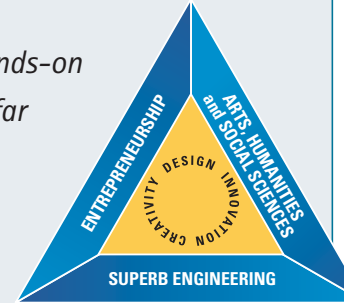
the olin curriculum

The Olin curriculum is a synthesis of creative ideas and best practices in engineering education. Its aim is to apply new ways to teach engineering and to graduate students who are prepared to lead technological innovation in the 21st Century.

The Olin curriculum is based on the *Olin Triangle* of rigorous science and engineering, entrepreneurship, and the liberal arts. Equally important is a dedication to lifelong learning, so students can continually update their skills to meet new technical challenges.

From the beginning students learn through team-based, hands-on projects and tackle open-ended problems, the kind that go far beyond the textbook and call for a considerable amount of creativity and initiative. The curriculum also emphasizes interdisciplinary learning, communication, and the role of design in engineering.

To produce the kind of well-rounded, creative students it envisions, Olin supports a "learning continuum" that extends from classroom work to research, independent study, personal passions and other areas which, taken together, make up Olin's unique learning environment.



SCOPE Senior Capstone Program in Engineering



Olin's hands-on curriculum culminates in SCOPE, a substantial, year-long project under realistic constraints for a corporation or other sponsor. As part of SCOPE, the sponsor supplies an authentic engineering problem. Olin provides a student engineering team, a dedicated project space, a faculty adviser and access to the Olin technology base.

Working according to the highest professional standards in teams with approximately five students, the students spend more than one fourth of their senior year working on the project over two semesters. Projects involve multiple engineering disciplines, including elements of engineering science, engineering design, and entrepreneurship.

2009–10 SCOPE Sponsors

- Boston Engineering
- Boston Scientific
- Brandeis University
- Draper Laboratory
- IBM
- Lexmark International
- Linden Lab/Second Life
- MathWorks
- Microsoft
- MIT/Lincoln Labs
- The MITRE Corporation
- Raytheon
- Team Grill