

California Institute of Technology
Preliminary Report on the Class of 2004
Prepared by the Career Development Center

Caltech will award 538 degrees this year, including 216 Bachelor of Science, 155 Master of Science, 2 Engineer degrees, and 165 Doctor of Philosophy degrees.*

This report is preliminary and reflects data collected as of 2:00 PM, Monday, June 7, 2004. The Career Development Center continues to collect information on graduates throughout the summer, as many graduates do not make a final decision until after graduation. Updated information will be provided by the Career Development Center by the beginning of the new academic year.

Bachelor of Science Candidates

Caltech will award 216 students with a Bachelor of Science degree. 105 students responded to our survey. Of those respondents, 23 (22%) have accepted employment; 2 (2%) are deciding among job offers; 4 (4%) are seeking employment; 63 (60%) will attend graduate or professional school this fall; 2 (2%) are undecided; and 11 (10%) are pursuing other plans.

The majority attending graduate school this fall will be pursuing traditional degrees in chemistry, engineering, mathematics, and physics. Many have received a fellowship either from the university they will attend or an outside source. This year six students applied to medical schools, and all will attend medical school this fall. Three will matriculate to an M.D. program and three will matriculate to an M.D./Ph.D. program.

Among those who have other plans, one student was awarded a Watson Fellowship, one was awarded a Fulbright Fellowship; one will start their own business; and three will travel.

Many students who accepted an employment offer will work for companies who recruited on campus. Twenty-four salary offers were reported and ranged between \$29,000 and \$80,000, with an average offer being \$60,309. Five individuals reported receiving more than one job offer. Several offers included signing bonuses, stock options, and a relocation package. As in past years, there was great competition among employers looking for graduates to do computer science work. Five software engineering positions, one hardware design/development position, and two systems analysis and design positions were extended to students. Thirteen of those twenty-four offers were \$60,000 or more.

**The number of degrees to be awarded is based on information from the Registrar's report dated June 3, 2004 and the Graduate Office report dated June 7, 2004.*

Master of Science Candidates

Caltech will award 155 students with a Master of Science degree. We received information about the plans of 120 individuals. One hundred thirteen (94.2%) will continue their graduate studies and pursue their Ph.D. degree. One hundred twelve individuals will stay at Caltech, and one will attend Yale University.

As has been true for several years now, very few M.S. graduates accept positions in industry. Two (1.7%) have accepted job offers. Each individual received two job offers. Two (1.7%) individuals are actively seeking employment. Three (2.5%) individuals have other plans.

Doctor of Philosophy Candidates

Caltech will award 165 students with a Doctor of Philosophy degree. We received information about the plans of 83 individuals. Of those individuals, 46 (55%) have accepted academic employment; 22 (27%) accepted industry employment; 1 (1%) is seeking employment; and 3 (4%) are deciding among job offers. Six (7%) individuals will pursue further education. Three individuals will attend medical school, and two will attend law school. Three (4%) students are undecided about their plans, and 2 (2%) have other plans.

Sixteen salaries for academic tenure track positions were reported and ranged between \$43,000 and \$96,000, with the average salary being \$69,530. Nine of those offers were over \$70,000. Fifteen salaries for academic postdoctoral positions were reported and ranged between \$30,000 and \$60,000, with the average salary being \$43,600. To date, twenty-eight industry salaries were reported ranging from \$42,500 to \$115,000, with the average offer being \$82,960. Fourteen of these industry offers included signing bonuses, stock options, and relocation expenses with the largest package being a \$10,000 signing bonus plus a \$30,000 year-end bonus. Twenty Ph.D. candidates each reported more than one job offer. Several students had some interesting and difficult choices as they received offers from both academic institutions and industries directly related to their Ph.D. work. This year four graduates will be going overseas for employment.

**California Institute of Technology
Plans of 2004 B.S. Candidates**

Option	Number of Graduates	Number of Respondents	Accepted Employment	Attending Graduate School	Deciding Among Offers	Seeking Employment	Undecided	Other
Applied & Computational Mathematics	7	4	2	2	0	0	0	0
Applied Physics	6	4	0	3	1	0	0	0
Astrophysics	3	1	0	0	0	0	0	1
Biology	25	12	2	9	0	1	0	0
Business Economics and Management	5	4	0	2	0	0	0	2
Chemical Engineering	3	2	1	1	0	0	0	0
Chemistry	15	5	2	2	0	1	0	0
Computer Science	11	5	1	4	0	0	0	0
Economics	3	3	0	2	0	0	0	1
Electrical & Computer Engineering	11	10	4	3	0	1	0	2
Electrical Engineering	23	7	1	5	0	0	0	1
Engineering & Applied Science	22	9	3	1	1	1	0	3
Engineering & Applied Science (Aeronautics)	5	3	0	3	0	0	0	0
Geochemistry	2	0	0	0	0	0	0	0
Geology	4	3	0	3	0	0	0	0
Geophysics	4	2	0	1	0	0	1	0
History	1	0	0	0	0	0	0	0
Mathematics	14	11	1	10	0	0	0	0
Mechanical Engineering	19	7	4	2	0	0	1	0
Physics	28	10	2	7	0	0	0	1
Planetary Science	5	3	0	3	0	0	0	0
Total	216	105	23	63	2	4	2	11
Percentage of Respondents			22%	60%	2%	4%	2%	10%

**California Institute of Technology
Plans of 2004 M.S. Candidates**

Option	Number of Graduates	Number of Respondents	Accepted Employment	Attending Graduate School	Seeking Employment	Other
Aeronautics	8	5	0	5	0	0
Applied and Computational Mathematics	1	0	0	0	0	0
Applied Mechanics	3	3	0	3	0	0
Applied Physics	22	21	0	21	0	0
Astrophysics	2	2	0	2	0	0
Biochemistry & Molecular Biophysics	2	2	0	2	0	0
Biology	3	3	0	1	1	1
Chemical Engineering	8	7	0	7	0	0
Chemistry	5	4	0	3	0	1
Civil Engineering	3	3	0	3	0	0
Computer Science	8	2	0	2	0	0
Electrical Engineering	29	17	2	13	1	1
Environmental Science & Engineering	7	6	0	6	0	0
Geochemistry	3	3	0	3	0	0
Geology	2	2	0	2	0	0
Geophysics	1	1	0	1	0	0
Materials Science	9	7	0	7	0	0
Mathematics	1	1	0	1	0	0
Mechanical Engineering	11	11	0	11	0	0
Physics	14	10	0	10	0	0
Planetary Science	4	4	0	4	0	0
Social Science	9	6	0	6	0	0
Total	155	120	2	113	2	3
Percentage of Respondents			1.7%	94.2%	1.7%	2.5%

*The number of M.S. candidates attending graduate school is primarily based on information from the Graduate Office. Many candidates will continue at Caltech for a Ph.D. degree.

**California Institute of Technology
Plans of 2004 Ph.D. Candidates**

Option	Number of Graduates	Number of Respondents	Accepted academic job	Accepted industry job	Deciding among job offers	Seeking employment	Attending professional school	Undecided	Other
Aeronautics	10	3	1	1	0	0	0	1	0
Applied & Computational Mathematics	2	1	1	0	0	0	0	0	0
Applied Mechanics	4	2	2	1	0	0	0	0	0
Applied Physics	5	3	2	0	0	0	0	0	0
Astronomy	4	3	2	0	0	0	0	0	1
Astrophysics	3	0	0	0	0	0	0	0	0
Biochemistry & Molecular Biophysics	4	2	1	0	0	0	1	0	0
Biology	10	8	4	2	0	0	2	0	0
Chemical Engineering	9	2	1	0	1	0	0	0	0
Chemistry	30	26	15	7	0	0	3	1	0
Civil Engineering	2	2	1	0	1	0	0	0	0
Computation & Neural Systems	1	0	0	0	0	0	0	0	0
Computer Science	3	0	0	0	0	0	0	0	0
Control & Dynamical Systems	5	2	1	0	1	0	0	0	0
Electrical Engineering	15	8	2	6	0	0	0	0	0
Environmental Science & Engineering	1	0	0	0	0	0	0	0	0
Geology	2	1	1	0	0	0	0	0	0
Geophysics	4	0	0	0	0	0	0	0	0
Materials Science	7	4	3	0	0	0	0	0	1
Mathematics	8	4	3	0	0	0	0	1	0
Mechanical Engineering	6	4	1	3	0	0	0	0	0
Physics	25	6	3	2	0	1	0	0	0
Planetary Science	3	1	1	0	0	0	0	0	0
Social Science	2	1	1	0	0	0	0	0	0
Total	165	83	46	22	3	1	6	3	2
Percentage of Respondents			55%	27%	4%	1%	7%	4%	2%

California Institute of Technology
Plans of 2003 Degree Candidates – International Students

B.S. Plans	Number of Respondents	International Students
Accepted employment	23	3
Attending graduate school	63	4
Deciding among job offers	2	0
Seeking employment	4	0
Undecided	2	0
Other	11	2
TOTAL	105	9

M.S. Plans	Number of Respondents	International Students
Accepted employment	2	1
Attending Graduate School	113	7
Seeking Employment	2	0
Other	3	0
TOTAL	120	8

Ph.D. Plans	Number of Respondents	International Students
Accepted academic job	46	10
Accepted industry job	22	7
Deciding among job offers	3	1
Seeking employment	1	1
Attending professional school	6	0
Undecided	3	0
Other	2	0
TOTAL	83	19

Note: Students self-reported their status for this report.

California Institute of Technology
Students Admitted to Medical School - Class of 2004

Female
BS / Biology / 2004
Keck School of Medicine of the University of Southern California
M.D. (2004)

Male
BS / Biology / 2004
Harvard Medical School / MIT
M.D./Ph.D. (2004)

Female
BS / Biology / 2004
University of California, San Francisco, School of Medicine
M.D. (2004)

Female
BS / Biology / 2004
School of Medicine of the University of Texas Medical Branch at Galveston
(UTMB)
M.D./Ph.D. (2004)

Male
BS / Biology / 2004
University of Texas System, Southwestern Medical School
M.D./Ph.D. (2004)

Female
BS / Biology / 2004
Drexel University, College of Medicine
M.D. (2004)