

**California Institute of Technology**  
**Preliminary Report on the Class of 2005**  
**Prepared by the Career Development Center**

Caltech will award 524 degrees this year, including 221 Bachelor of Science, 120 Master of Science, 2 Engineer degrees, and 181 Doctor of Philosophy degrees.\*

This report is preliminary and reflects data collected as of Monday, June 6, 2005. 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 221 students with a Bachelor of Science degree. 193 students responded to our survey. Of those respondents, 50 (26%) have accepted employment; 27 (14%) are seeking employment; 103 (53%) will attend graduate or professional school this fall; 11 (6%) are undecided; and 2 (1%) are pursuing other plans.

The majority attending graduate school this fall will be pursuing traditional degrees in aerospace engineering, biology, chemistry, chemical engineering, electrical engineering, geology, mathematics, mechanical engineering, and physics. Many have received a fellowship either from the university they will attend or an outside source. This year nine students applied to medical schools and one applied to pharmacy schools. Four will matriculate to an M.D. program, three will matriculate to an M.D./Ph.D. program, and one will matriculate to a Pharm.D. program.

Many students who accepted an employment offer will work for companies who recruited on campus. Fifty-two salary offers were reported and ranged between \$25,000 and \$87,000, with an average offer being \$57,000. Thirteen individuals reported receiving more than one job offer. Several offers included signing bonuses, stock options, and a relocation package. One individual reported a \$20,000 signing bonus. For these offers, the job functions were in the fields of consulting, aerospace engineering, mechanical engineering, software engineering, and research and development.

*\*The number of degrees to be awarded is based on information from reports provided by the Registrar and the Graduate Office dated May 31, 2005.*

### ***Master of Science Candidates***

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Caltech will award 120 students with a Master of Science degree. We know the plans of 92 individuals. Seventy-nine (86%) will continue their graduate studies and pursue their Ph.D. degree. Seventy-eight individuals will stay at Caltech, one will attend University of California, San Diego, and one will attend Harvard Law School.

As has been true for several years now, very few M.S. graduates accept positions in industry. Seven (8%) individuals have accepted job offers, and four (4%) are actively seeking employment. Two (2%) individuals will be traveling.

### ***Doctor of Philosophy Candidates***

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Caltech will award 181 students with a Doctor of Philosophy degree. We received information about the plans of 148 individuals. Of those individuals, 81 (55%) have accepted academic employment; 29 (20%) accepted industry employment; 18 (12%) are seeking employment; and 7 (5%) are deciding among job offers. Five (3%) students are undecided about their plans, 2 (1%) are traveling, and 6 (4%) have other plans.

Ten salaries for academic tenure track positions were reported and ranged between \$60,000 and \$119,000, with the average salary being \$90,000. Sixty-five salaries for academic postdoctoral positions were reported and ranged between \$26,000 and \$67,000, with the average salary being \$44,000. To date, forty-six industry salaries were reported ranging from \$45,000 to \$115,000, with the average offer being \$85,000. Twenty-six of these industry offers included signing bonuses, stock options, and relocation expenses with the largest package being a \$65,000 housing allowance plus \$28,000 in other compensations. Thirty-six Ph.D. candidates 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 five graduates will be going overseas for employment. One individual founded a company in the San Diego area.

**California Institute of Technology**  
**Plans of 2005 B.S. Candidates**

Option	Number of Graduates	Number of Respondents	Accepted Employment	Attending Graduate School	Seeking Employment	Other	Undecided
Applied & Computational Mathematics	4	3	1	1	0	0	1
Applied Physics	9	9	1	6	2	0	0
Astrophysics	2	1	0	0	1	0	0
Biology	28	25	4	14	4	0	3
Business Economics & Management	4	4	1	0	3	0	0
Chemical Engineering	6	6	0	6	0	0	0
Chemistry	19	18	3	13	1	1	0
Computer Science	14	14	9	5	0	0	0
Economics	7	5	2	0	1	1	1
Electrical & Computer Engineering	4	3	2	0	1	0	0
Electrical Engineering	24	20	8	11	0	0	1
Engineering & Applied Science	16	11	4	2	5	0	0
Engineering & Applied Science (Aeronautics)	5	4	0	3	1	0	0
Geobiology	4	4	1	2	0	0	1
Geology	4	3	0	3	0	0	0
Geophysics	1	1	0	1	0	0	0
Mathematics	9	8	1	7	0	0	0
Mechanical Engineering	22	20	10	8	1	0	1
Physics	35	30	2	20	5	0	3
Planetary Science	3	3	1	1	1	0	0
Social Science	1	1	0	0	1	0	0
<b>Total</b>	<b>221</b>	<b>193</b>	<b>50</b>	<b>103</b>	<b>27</b>	<b>2</b>	<b>11</b>
<b>Percentages (based on responses)</b>			<b>26%</b>	<b>53%</b>	<b>14%</b>	<b>1%</b>	<b>6%</b>

**California Institute of Technology**  
**Plans of 2005 M.S. Candidates**

Option	Number of Graduates	Number of Responses	Accepted Employment	Attending Graduate School	Seeking Employment	Traveling
Aeronautics	10	4	0	3	1	0
Applied Mechanics	3	0	0	0	0	0
Applied Physics	12	9	0	8	0	1
Astrophysics	1	1	0	1	0	0
Biochemistry & Molecular Biophysics	4	2	0	2	0	0
Bioengineering	2	2	2	0	0	0
Biology	2	2	1	0	1	0
Chemical Engineering	12	10	0	10	0	0
Chemistry	2	2	1	1	0	0
Civil Engineering	1	1	0	1	0	0
Computation and Neural Systems	1	1	0	1	0	0
Computer Science	6	6	0	6	0	0
Electrical Engineering	18	12	2	9	1	0
Environmental Science & Engineering	1	1	0	1	0	0
Geobiology	2	1	0	1	0	0
Geochemistry	1	1	0	1	0	0
Geology	2	2	0	1	1	0
Geophysics	4	3	0	3	0	0
Materials Science	8	8	0	8	0	0
Mathematics	1	0	0	0	0	0
Mechanical Engineering	11	10	1	9	0	0
Physics	6	4	0	3	0	1
Planetary Science	4	4	0	4	0	0
Social Science	6	6	0	6	0	0
<b>Total</b>	<b>120</b>	<b>92</b>	<b>7</b>	<b>79</b>	<b>4</b>	<b>2</b>
<b>Percentage (based on responses)</b>			<b>8%</b>	<b>86%</b>	<b>4%</b>	<b>2%</b>

*\*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 2005 Ph.D. Candidates**

Option	Number of Graduates	Number of Responses	Accepted Academic Employment	Accepted Industry Employment	Deciding among job offers	Other	Seeking employment	Traveling	Undecided
Aeronautics	10	8	2	3	2	0	0	0	1
Applied & Computational Mathematics	3	2	1	1	0	0	0	0	0
Applied Mechanics	1	1	1	0	0	0	0	0	0
Applied Physics	4	3	1	1	1	0	0	0	0
Astronomy	2	2	1	1	0	0	0	0	0
Astrophysics	3	3	3	0	0	0	0	0	0
Biochemistry & Molecular Biophysics	6	5	2	1	0	0	1	1	0
Bioengineering	5	5	3	1	0	0	1	0	0
Biology	12	9	5	0	0	0	4	0	0
Cellular & Molecular Neurobiology	1	0	0	0	0	0	0	0	0
Chemical Engineering	12	8	3	3	0	0	2	0	0
Chemistry	38	31	16	9	0	2	3	0	1
Civil Engineering	2	1	0	1	0	0	0	0	0
Computation & Neural Systems	7	5	3	0	0	1	1	0	0
Computer Science	3	3	1	1	0	0	1	0	0
Control & Dynamical Systems	5	5	1	0	1	1	1	0	1
Electrical Engineering	13	9	4	1	2	1	0	1	0
Env. Science & Engineering	4	4	3	0	1	0	0	0	0
Geobiology	2	2	2	0	0	0	0	0	0
Geochemistry	2	2	2	0	0	0	0	0	0
Geophysics	2	0	0	0	0	0	0	0	0
Materials Science	6	6	2	3	0	0	1	0	0
Mathematics	7	6	5	0	0	0	1	0	0
Mechanical Engineering	7	6	4	1	0	0	1	0	0
Physics	22	20	14	2	0	1	1	0	2
Social Science	2	2	2	0	0	0	0	0	0
<b>Total</b>	<b>181</b>	<b>148</b>	<b>81</b>	<b>29</b>	<b>7</b>	<b>6</b>	<b>18</b>	<b>2</b>	<b>5</b>
<b>Percentages (based on responses)</b>			<b>55%</b>	<b>20%</b>	<b>5%</b>	<b>4%</b>	<b>12%</b>	<b>1%</b>	<b>3%</b>

**California Institute of Technology**  
**Plans of 2005 Degree Candidates – by Gender**

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**B.S. Candidates**

<b>Plans</b>	<b>Female</b>	<b>Male</b>	<b>Total</b>
Accepted Employment	20	30	50
Attending graduate/professional school	37	66	103
Other (e.g., withdrew, transfer)	0	2	2
Seeking employment	10	17	27
Undecided	2	9	11
<b>Grand Total</b>	<b>69</b>	<b>124</b>	<b>193</b>
<b>Percentages</b>	<b>36%</b>	<b>64%</b>	

**M.S. Candidates**

<b>Plans</b>	<b>Female</b>	<b>Male</b>	<b>Total</b>
Accepted Employment	3	4	7
Attending graduate/professional school	18	62	80
Seeking employment	2	2	4
Traveling	0	2	2
<b>Grand Total</b>	<b>23</b>	<b>70</b>	<b>93</b>
<b>Percentages</b>	<b>25%</b>	<b>75%</b>	

**Ph.D. Candidates**

<b>Plans</b>	<b>Female</b>	<b>Male</b>	<b>Total</b>
Accepted academic job offer	17	64	81
Accepted industry job offer	4	25	29
Deciding among job offers	2	5	7
Other (e.g., withdrew, transfer)	1	5	6
Seeking employment	10	8	18
Traveling	1	1	2
Undecided	0	5	5
<b>Grand Total</b>	<b>35</b>	<b>113</b>	<b>148</b>
<b>Percentages</b>	<b>24%</b>	<b>76%</b>	

**California Institute of Technology**  
**Plans of 2005 Degree Candidates – International Students**

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<b>B.S. Plans</b>	<b>Number of Respondents</b>	<b>Number of International Students</b>
Accepted Employment	50	2
Attending graduate/professional school	103	11
Other (e.g., withdrew, transfer)	2	0
Seeking employment	27	3
Undecided	11	1
<b>Grand Total</b>	<b>193</b>	<b>17</b>

<b>M.S. Plans</b>	<b>Number of Respondents</b>	<b>Number of International Students</b>
Accepted Employment	7	1
Attending graduate/professional school	80	32
Seeking employment	4	1
Traveling	2	0
<b>Grand Total</b>	<b>93</b>	<b>34</b>

<b>Ph.D. Plans</b>	<b>Number of Respondents</b>	<b>Number of International Students</b>
Accepted academic job offer	81	32
Accepted industry job offer	29	6
Deciding among job offers	7	4
Other (e.g., withdrew, transfer)	6	1
Seeking employment	18	8
Traveling	2	2
Undecided	5	3
<b>Grand Total</b>	<b>148</b>	<b>56</b>

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

**California Institute of Technology**  
**Students Admitted to Medical School - Class of 2005**

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Male  
BS / Biology / 2005  
Harvard Medical School  
M.D. (2005)

Male  
BS / Chemistry / 2005  
Mayo Medical School  
M.D. (2005)

Female  
BS / Biology / 2005  
Washington University School of Medicine  
M.D. (2005)

Male  
BS / Biology / 2005  
University of Texas Medical School at Galveston  
M.D. (2005)

Male  
BS/ Physics / 2005  
University of California, Irvine, College of Medicine  
M.D. / Ph. D. (2005)

Male  
BS / Chemistry / 2005  
University of California, Los Angeles,  
David Geffen School of Medicine at UCLA  
M.D. / Ph. D. (2005)

Male  
BS / Applied Physics / 2005  
University of Toronto Faculty of Medicine  
M.D. / Ph.D. (2005)

Female  
BS / Chemistry / 2005  
University of Illinois, Chicago, College of Pharmacy  
Pharm.D. (2005)

**Alumni Admitted to Medical School**

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Female  
BS / Chemistry / 2004  
University of California, Los Angeles,  
David Geffen School of Medicine at UCLA  
M.D. / Ph.D. (2005)

Female  
BS / Biology / 1999  
Duke University School of Medicine  
M.D. (2005)

Male  
Ph.D. / Biology / 2004  
Stanford University School of Medicine  
M.D. (2005)