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Chemical Engineering

Ranked in 2014, part of [Best Engineering Schools](#)

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Chemical engineering involves chemistry, biology, math and physics. Graduates may become designers and inventors, potentially working with everything from nanotechnology to new energy. These are the top graduate chemical engineering programs.

Rankings		Overall Engineering School Program Data					
Save	Rank	School name	Score	Tuition	Total graduate engineering enrollment	Average GRE quantitative score (master's and Ph.D. students) (new test)	Engineering school research expenditures (2012-2013 fiscal year)
<input type="checkbox"/>	#1	Massachusetts Institute of Technology Cambridge, MA	4.9	\$43,210 per year (full-time)	3,174	165	\$387,195,000
<input type="checkbox"/>	#2	California Institute of Technology Pasadena, CA	4.7	\$39,990 per year (full-time)	569	168	\$106,720,000
<input type="checkbox"/>	#3	Stanford University Stanford, CA	4.6	\$45,480 per year (full-time)	3,517	166	\$191,791,023
<input type="checkbox"/>	#3	University of California—Berkeley Berkeley, CA	4.6	\$11,220 per year (in-state, full-time); \$26,322 per year (out-of-state, full-time)	1,936	165	\$210,960,000
<input type="checkbox"/>	#3	University of Minnesota—Twin Cities Minneapolis, MN	4.6	\$14,708 per year (in-state, full-time); \$22,990 per year (out-of-state, full-time)	1,928	163	\$93,691,388
<input type="checkbox"/>	#6	University of Texas—Austin (Cockrell) Austin, TX	4.4	\$9,564 per year (in-state, full-time); \$17,506 per year (out-of-state, full-time)	2,397	164	\$190,324,229
<input type="checkbox"/>	#7	Princeton University Princeton, NJ	4.3	\$40,170 per year (full-time)	576	165	\$90,984,568
<input type="checkbox"/>	#8	University of California—Santa Barbara Santa Barbara, CA	4.2	\$12,991 per year (in-state, full-time); \$28,093 per year (out-of-state, full-time)	765	165	\$112,285,301
<input type="checkbox"/>	#8	University of Wisconsin—Madison Madison, WI	4.2	\$11,858 per year (in-state, full-time); \$25,184 per year (out-of-state, full-time)	1,940	164	\$204,475,659
<input type="checkbox"/>	#10	Georgia Institute of	4.1	\$11,324 per year (in-state, full-time); \$27,330 per year (out-of-state, full-time)	4,576	164	\$207,678,000

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		Technology Atlanta, GA					
<input type="checkbox"/>	#10	University of Delaware Newark, DE	4.1	\$1,578 per credit (in-state, full-time); \$1,578 per credit (out-of-state, full-time)	887	161	\$55,304,570
<input type="checkbox"/>	#12	University of Illinois—Urbana-Champaign Urbana, IL	3.9	\$16,754 per year (in-state, full-time); \$30,246 per year (out-of-state, full-time)	3,154	165	\$228,526,020
<input type="checkbox"/>	#12	University of Michigan—Ann Arbor Ann Arbor, MI	3.9	\$22,322 per year (in-state, full-time); \$41,998 per year (out-of-state, full-time)	3,178	165	\$234,127,000
<input type="checkbox"/>	#14	Carnegie Mellon University Pittsburgh, PA	3.8	\$40,000 per year (full-time)	3,157	165	\$213,012,688
<input type="checkbox"/>	#14	Northwestern University (McCormick) Evanston, IL	3.8	\$45,120 per year (full-time)	1,799	164	\$107,334,674
<input type="checkbox"/>	#14	Purdue University—West Lafayette West Lafayette, IN	3.8	\$10,332 per year (in-state, full-time); \$29,134 per year (out-of-state, full-time)	3,333	163	\$249,020,321
<input type="checkbox"/>	#14	University of Colorado—Boulder Boulder, CO	3.8	\$12,960 per year (in-state, full-time); \$29,142 per year (out-of-state, full-time)	1,623	161	\$85,092,712
<input type="checkbox"/>	#18	Cornell University Ithaca, NY	3.7	\$29,530 per year (full-time)	1,812	165	\$138,651,559
<input type="checkbox"/>	#19	University of Pennsylvania Philadelphia, PA	3.5	\$28,768 per year (full-time)	1,609	165	\$112,899,355
<input type="checkbox"/>	#20	Johns Hopkins University (Whiting) Baltimore, MD	3.4	\$45,470 per year (full-time)	3,296	163	\$86,099,000
<input type="checkbox"/>	#20	North Carolina State University Raleigh, NC	3.4	\$7,173 per year (in-state, full-time); \$19,511 per year (out-of-state, full-time)	2,929	163	\$160,816,327
<input type="checkbox"/>	#20	Pennsylvania State University—University Park University Park, PA	3.4	\$19,304 per year (in-state, full-time); \$32,416 per year (out-of-state, full-time)	1,719	163	\$190,144,109

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<input type="checkbox"/>	#23	Ohio State University Columbus, OH	3.3	\$11,928 per year (in-state, full-time); \$29,592 per year (out-of-state, full-time)	1,680	163	\$112,748,000	
<input type="checkbox"/>	#23	University of California—Los Angeles (Samueli) Los Angeles, CA	3.3	\$12,562 per year (in-state, full-time); \$27,664 per year (out-of-state, full-time)	1,854	164	\$100,448,386	
<input type="checkbox"/>	#23	University of Washington Seattle, WA	3.3	\$14,904 per year (in-state, full-time); \$27,594 per year (out-of-state, full-time)	2,139	164	\$126,945,640	

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<input type="checkbox"/>	#26	Rensselaer Polytechnic Institute Troy, NY	3.2	\$45,100 per year (full-time)	783	163	\$59,080,000	
<input type="checkbox"/>	#26	Rice University (Brown) Houston, TX	3.2	\$38,260 per year (full-time)	760	164	\$54,142,841	
<input type="checkbox"/>	#28	Columbia University (Fu Foundation) New York, NY	3.1	\$39,360 per year (full-time)	2,827	165	\$154,072,000	
<input type="checkbox"/>	#28	University of California—Davis Davis, CA	3.1	\$13,109 per year (in-state, full-time); \$28,211 per year (out-of-state, full-time)	1,130	163	\$78,274,924	
<input type="checkbox"/>	#28	University of Notre Dame Notre Dame, IN	3.1	\$43,980 per year (full-time)	484	163	\$41,217,476	
<input type="checkbox"/>	#31	Iowa State University Ames, IA	3.0	\$9,046 per year (in-state, full-time); \$21,304 per year (out-of-state, full-time)	1,161	160	\$79,735,000	
<input type="checkbox"/>	#31	Texas A&M University—College Station (Look) College Station, TX	3.0	\$227 per credit (in-state, full-time); \$581 per credit (out-of-state, full-time)	3,066	160	\$290,744,467	
<input type="checkbox"/>	#31	University of Florida Gainesville, FL	3.0	\$12,642 per year (in-state, full-time); \$30,035 per year (out-of-state, full-time)	2,739	162	\$63,934,000	
<input type="checkbox"/>	#31	University of Massachusetts—Amherst Amherst, MA	3.0	\$2,640 per year (in-state, full-time); \$9,937 per year (out-of-state, full-time)	882	162	\$54,934,287	
<input type="checkbox"/>	#31	University of Southern California (Write D)	3.0	\$29,448 per year (full-time)	4,857	163	\$181,224,758	



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		Los Angeles, CA					
<input type="checkbox"/>	#36	University at Buffalo—SUNY Buffalo, NY	2.9	\$9,870 per year (in-state, full-time); \$18,350 per year (out-of-state, full-time)	1,801	162	\$58,625,000
<input type="checkbox"/>	#36	University of Maryland—College Park (Clark) College Park, MD	2.9	\$11,460 per year (in-state, full-time); \$24,720 per year (out-of-state, full-time)	2,150	163	\$161,986,797
<input type="checkbox"/>	#36	University of Virginia Charlottesville, VA	2.9	\$14,358 per year (in-state, full-time); \$23,682 per year (out-of-state, full-time)	655	162	\$73,175,378
<input type="checkbox"/>	#39	Michigan State University East Lansing, MI	2.8	\$621 per credit (in-state, full-time); \$1,220 per credit (out-of-state, full-time)	897	N/A	\$51,846,928
<input type="checkbox"/>	#39	Rutgers, the State University of New Jersey—New Brunswick Piscataway, NJ	2.8	\$15,552 per year (in-state, full-time); \$25,704 per year (out-of-state, full-time)	1,162	163	\$61,702,000
<input type="checkbox"/>	#39	University of Houston (Cullen) Houston, TX	2.8	\$483 per credit (in-state, full-time); \$837 per credit (out-of-state, full-time)	1,208	161	\$27,553,511
<input type="checkbox"/>	#39	University of Pittsburgh (Swanson) Pittsburgh, PA	2.8	\$22,916 per year (in-state, full-time); \$37,528 per year (out-of-state, full-time)	1,067	164	\$87,163,723
<input type="checkbox"/>	#39	Virginia Tech Blacksburg, VA	2.8	\$11,184 per year (in-state, full-time); \$22,146 per year (out-of-state, full-time)	2,193	162	\$169,556,470
<input type="checkbox"/>	#39	Washington University in St. Louis St. Louis, MO	2.8	\$44,100 per year (full-time)	879	163	\$22,313,000
<input type="checkbox"/>	#45	Case Western Reserve University Cleveland, OH	2.7	\$38,588 per year (full-time)	633	164	\$43,377,000
<input type="checkbox"/>	#45	Colorado School of Mines Golden, CO	2.7	\$14,400 per year (in-state, full-time); \$30,330 per year (out-of-state, full-time)	1,269	159	\$55,876,723
<input type="checkbox"/>	#45	Lehigh University (Rossin) Bethlehem, PA	2.7	\$1,300 per credit (full-time)	826	163	\$22,441,305
<input type="checkbox"/>	#45	Vanderbilt University Nashville, TN	2.7	\$1,747 per credit (full-time)	495	163	\$71,807,000



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<input type="checkbox"/>	#49	Arizona State University (Fulton) Tempe, AZ	2.6	\$10,300 per year (in-state, full-time); \$25,286 per year (out-of-state, full-time)	3,136	162	\$77,847,532	
<input type="checkbox"/>	#50	Auburn University (Ginn) Auburn University, AL	2.5	\$8,262 per year (in-state, full-time); \$24,786 per year (out-of-state, full-time)	883	161	\$61,331,000	

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