

# Realization of Your Dream:

*Higher Study, Partnership, Collaboration Opportunities*

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# Realization of Your Dream

- I had a dream 27 years back , and I made it come true
  - It was not easy but *NOT* impossible
- Cultivate a dream
- Work Hard to Achieve it
- Collect the right information
- Reach out to others who can assist
- Network with the right people
- There is no substitute for hard work
- Do not Quit

# Questions for OSA Dignitaries

**Q.1-Which are the best institutions/universities for study/research on different subjects.**

**Q.2-What is the procedure for admission to those institutions.**

**Q.3- What are the various grants, scholarships, offered by Govt, companies, institution for higher study, research in USA.**

**Q.4-What are the possibilities to avail loan and the best terms and condition for re-payment.**

**Q.5-How exchange programme /vocational work/earn while study is administered in USA.**

**Q.6-What are the job opportunity in USA, How to avail.**

# Ranking of Institutions and Universities (Technical Graduate Programs) (US News)

Rank	EE	CS	ME	Civil E.	IEOR	Chem E.
1	MIT	CMU	MIT	University of Illinois	Georgia Tech	MIT
2	Stanford	MIT	Stanford	UC Berkeley	University of Michigan	California Institute of Technology
3	UC Berkeley	Stanford	CalTech	Stanford University	MIT	UC Berkeley
4	University of Illinois	UC Berkeley	UC Berkeley	Georgia Tech	Northwestern University	Stanford University
5	California Institute of Technology	Cornell University	Georgia Tech	University of Texas, Austin	Stanford University	University of Minnesota
6	Georgia Tech	University of Illinois	University of Michigan	Purdue University	UC Berkeley	Princeton University
7	CMU	University of Washington	University of Illinois	MIT	Cornell University	University of Texas - Austin
8	Cornell University	Princeton University	Purdue University	University of Michigan	University of Wisconsin	University of Wisconsin, Madison
9	University of Michigan	University of Texas, Austin	Cornell University	Virginia Tech	Virginia Tech	UC - Santa Barbara
10	Purdue University	Georgia Tech	Princeton University	CMU	Purdue University	Georgia Tech

# Ranking of Institutions and Universities (Technical Graduate Programs) – Contd.

## Source (US News)

Rank	EE	CS	ME	Civil E.	IEOR	Chem E.
11	University of Texas, Austin	California Institute of Technology	University of Texas at Austin	Cornell	Penn State University	University of Delaware
12	Princeton University	University of Wisconsin, Madison	CMU	Northwestern	Texas A&M	University of Michigan
13	UCLA	University of Michigan , Ann Arbor	Penn State University	Texas A&M	Columbia University	CMU
14	UCSD	UCLA	Johns Hopkins University	UC Davis	North Carolina State University	Purdue University
15	University of Maryland	UCSD	Northwestern University	University of Wisconsin	University of Florida	University of Illinois
16	University of Southern California	University of Maryland	UCLA	CalTech	University of Illinois	Cornell University
17	University of Wisconsin	Columbia University	Texas A&M	Penn State	Ohio State University	Northwestern University
18	Ohio State University	Harvard University	University of Wisconsin	University of Washington	Lehigh University	University of Colorado
19	Columbia University	University of Pennsylvania	Virgina Tech	Lehigh	University of Southern California	University of Pennsylvania
20	Johns Hopkins	Brown University	Rice University	Princeton University	University of Texas at Austin	North Carolina State University

## Ranking of Institutions and Universities (EE) (US News)

EE Rank	School Name	Tuition Fees	Graduate Enrollment
1	MIT	\$41,770	3,163
2	Stanford	\$43,950	3,548
3	UC Berkeley	\$11,220, \$26,322	1,837
4	University of Illinois	\$16,352, \$29,618	2,975
5	California Institute of Technology	\$38,084	587
6	Georgia Tech	\$10,584, \$26,860	4,651
7	CMU	\$38,900	2,857
8	Cornell University	\$29,500	1,768
9	University of Michigan	\$22, 518, \$41,914	3,184
10	Purdue University	\$10,332, \$29,134	3,070
12	University of Texas, Austin	\$9,564,\$17,506	2,425
13	Princeton University	\$38,650	574
14	UCLA	\$12,562, \$27,664	1,776
15	UCSD	\$11,220, \$26,322	1,614
16	University of Maryland	\$11,020, \$23,760	2,254
17	University of Southern California	\$28,242	4,398
18	University of Wisconsin	\$11,839, \$25,166	1,903
19	Ohio State University	\$11,704, \$29,016	1,738
20	Columbia University	\$47,340	2,525

# Overall Graduate Business Ranking of Universities

## Source (US News)

Rank	School Name	Tuition Fees (Per Year)	Total Enrollment (Full time)	Acceptance	Average GMAT Score
1	<b>Harvard University</b>	\$53,500	1,824	11.5	724
2	<b>Stanford University</b>	\$57,300	803	7.1	729
3	University of Pennsylvania	\$57,026	1,685	20%	718
4	<b>MIT Sloan School</b>	\$57,920	816	15.6%	710
5	<b>Northwestern University</b>	\$56,550	1,161	22.9%	708
6	<b>University of Chicago</b>	\$56,000	1,161	23%	720
7	<b>UC Berkeley</b>	\$53,969	490	13.8%	715
8	<b>Columbia University</b>	\$58,384	1,274	20.8%	715
9	<b>Dartmouth</b>	\$56,160	549	20.4%	717
10	<b>New York University</b>	\$52,828	780	15.7%	720
12	<b>Duke University</b>	\$52,900	874	27.5%	690
13	<b>University of Virginia</b>	\$50,778	637	26.6%	703
14	<b>Yale University</b>	\$55,050	494	21.3%	717
15	<b>UCLA</b>	\$54,530	737	22.6%	704

# Overall Undergraduate Ranking of Universities

## Source (U.S. News)

Rank	School Name	Tuition Fees	Total Enrollment	Acceptance percentage
1	Princeton University	\$40,170	8,010	7.9%
2	Harvard University	\$42,292	19,726	6.1%
3	Yale University	\$44,000	11,906	7.1%
4	Columbia University	\$49,138	23,168	7.4%
5	Stanford University	\$43,245	18,217	6.6%
6	University of Chicago	\$46,386	12,508	13.2%
7	Duke University	\$45,476	15,386	13.4%
8	MIT	\$43,245	11,189	9%
9	University of Pennsylvania	\$45,890	21,339	12.6%
10	California Institute of Technology	\$41,538	2,243	11.8%
12	Dartmouth College	\$46,752	6,277	9.8%
13	Johns Hopkins University	\$45,470	21,001	17.7%
14	Northwestern University	\$45,527	20,439	15.3%
15	Brown University	\$45,612	8,885	9.6%
16	Washington University in St. Louis	\$44,841	13,952	17.9%
17	Cornell University	\$45,459	21,424	16.6%
18	Vanderbilt University	\$42,978	12,710	14.2%
19	Rice University	\$38,941	6,484	16.7%
20	University of Notre Dame	\$44,605	14, 236	23.3%



# Ranking of Institutions and Universities (Undergrad Engineering) (US News)

EE Rank	School Name	Tuition Fees	Total Enrollment
1	MIT	\$43,498	11,189
2	Stanford	\$43,245	18,217
3	UC Berkeley	\$13,836, \$25,056	35,899
4	California Institute of Technology	\$41,538	2,243
5	Georgia Tech	\$10,650, \$29,954	21,557
6	University of Illinois	\$15,258, \$29,640	44,520
7	CMU	\$46,962	12,569
8	Cornell University	\$45,359	21,424
9	University of Michigan	\$13,819, \$40,496	43,426
10	Purdue University	\$9,992, \$28,794	32,256
12	University of Texas, Austin	\$9,790, \$33,824	52,186
13	Princeton University	40,170	8,010
14	Northwestern University	\$45,527	20,439
15	University of Wisconsin	\$10,403, 26,653	42,820
16	Texas A&M	\$8,506, \$25,126	50,227
17	Virginia Tech	\$10,930, \$25,320	31,087
18	Johns Hopkins	\$45,470	21,001
19	Rice University	\$38,941	6,484
20	Columbia University	\$49,138	23,168

# Ranking of Institutions and Universities (Best Value School)

Source (IIS News)

Rank	School Name	Percent receiving Need-based grant	Average cost after receiving grant
1	<b>Harvard University</b>	59.5%	\$15,486
2	<b>Yale University</b>	54%	\$16,205
3	<b>Princeton University</b>	58.9%	\$17,614
4	Stanford University	49.7%	\$18,593
5	<b>MIT</b>	57.7%	\$19,957
6	<b>Columbia University</b>	49.9%	\$20,435
7	<b>CalTech</b>	52.4%	\$21,551
8	<b>Dartmouth College</b>	49.7%	\$21,587
9	<b>Cornell University</b>	47.4%	\$21,849
10	<b>Bringham Young University</b>	37.5%	\$12,367
12	<b>Vanderbilt University</b>	44.4%	\$21,313
13	<b>Duke University</b>	43%	\$22,988
14	<b>University Chicago</b>	44.5%	\$23,797
15	<b>Rice University</b>	42.4%	\$20,672
16	<b>Brown University</b>	42%	\$22,039
17	<b>University of Pennsylvania</b>	44.2%	\$23,552
18	<b>University of North Carolina</b>	42.1%	\$19,488
19	<b>Texas A&amp;M</b>	6.6%	\$18,208
20	<b>Emory University</b>	\$49,138	\$24,347

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# Admission Procedure

- Selecting areas of study and specialization
  - E.g., Engineering, Business, Arts, Science
  - MS, Ph.D
- Prerequisites
  - GRE, TOEFL
- Contacting the faculty, seniors
- Many OSA members are distinguished faculty in the universities

# Grants, Scholarships

- On Campus (Part-time)
- Off Campus (Part-time, Summer Job)
- Student Coop (Work Full time while studying)
- Graduate Assistantship
- Research Opportunities
- Fellowship
- Tuition Waiver

# Exchange Program/Vocational

- Internship in industries
  - AT&T, IBM, HP, Oracle, Qualcomm, Verizon
  - Fortune 500 Companies
- Many OSA members are in key positions in many industries
- Research program in R&D Labs
- Joint Collaboration with other universities
- There are many startup opportunities
  - Cybersecurity, 4G, Wireless
  - Many OSA members have their own companies
- Studying while working full time



# Job Opportunities

- Separate H-1 visa quota for MS (category 2) and Ph.D. students (category 1)
- Become member of professional societies
  - Institute of Electrical and Electronic Engineers (IEEE)
  - Association of Computing Machinery (ACM)
- Alumni Network is very effective
- Summer jobs
  - Good stepping stone for full time Employment
- On-campus career center

# Conclusions

- OSA is full of resources
  - Take advantage of it
- OSA is Liaison for Higher Education
- Reach out to professors, industrialists, CEOs, senior students for guidance
- Have a dream
- Plan ahead of time
- Execute it
- Finally, Cultivate, Connect and Collaborate