

Outline
<ul> <li>General updates <ul> <li>New Leadership</li> <li>Faculty Awards</li> <li>Faculty Hiring</li> <li>Research Expenditures</li> <li>Student Statistics</li> <li>Student Teams</li> <li>Rankings</li> </ul> </li> <li>Towards New Destinations Update</li> <li>Budget Update</li> <li>Facilities Update</li> <li>Cornell Tech Campus Update</li> </ul>
CORNELL ENGINEERING

## Associate Dean for Academic Affairs Cornell NYC Tech Campus



Rajit Manohar Professor Electrical and Computer Engineering

- Joined Cornell in 1998.
  - Degrees received
    B.S. (1994), M.S. (1995), Ph.D. (1998) in Computer Science, California Institute of Technology
- Research Focus – Asynchronous design
- Manohar will serve as a half-time faculty member at Cornell Tech and half time at Cornell in Ithaca.

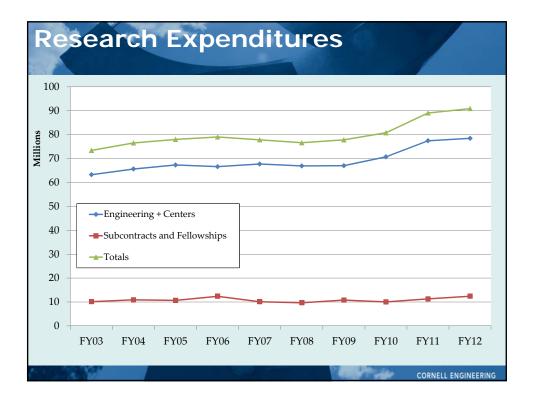
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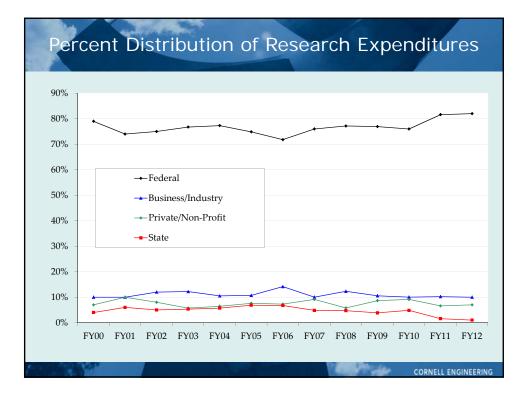


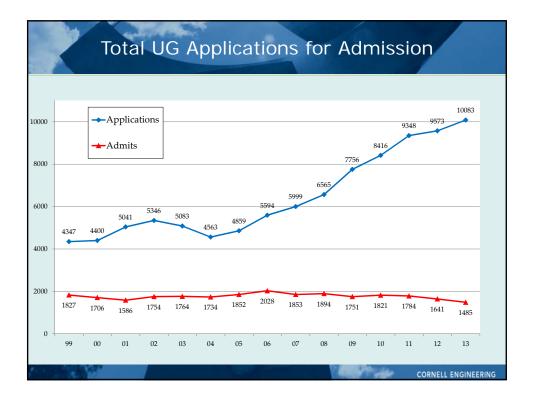


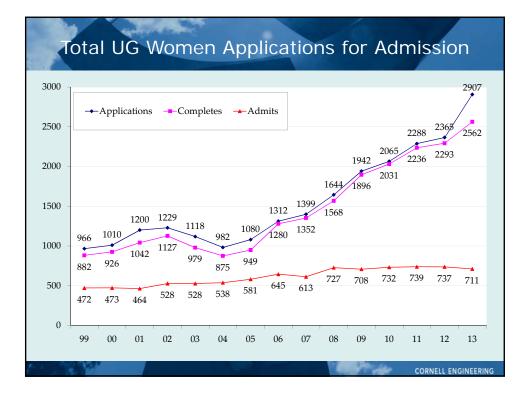


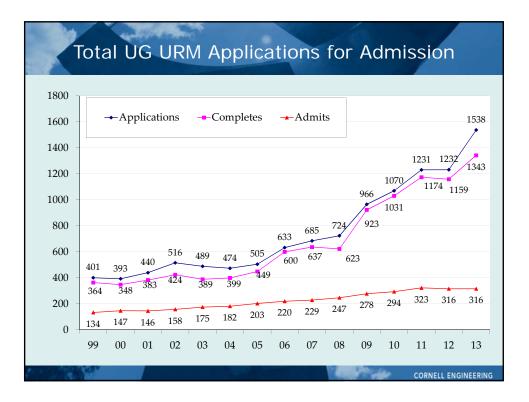
College of Engineering Faculty Hires									
Dep	partment	AY 20 <u>Men</u>	09-10 <u>Women</u>	AY 20 <u>Men</u>	010-11 <u>Women</u>	AY 20 <u>Men</u>	011-12 <u>Women</u>		
	AEP	0	0	1	1	0	0		
	BME	0.25	0	1	0	0	0		
	CEE	1	0	0	0	2	0		
N	CBE	1	0	0	1	0	0		
	CS	0	0	1	0	1	1		
	EAS	0	0	0	0	1	0		
	ECE	0	0	2	0	0	1		
	MSE	0	0	0	1	1	0		
	MAE	0.75	0	1	2	2	0		
	ORIE	0	0	0	1	3	0		
	Total	3	0	6	6	10	2		
					17	Photos .	CORNELL EN		

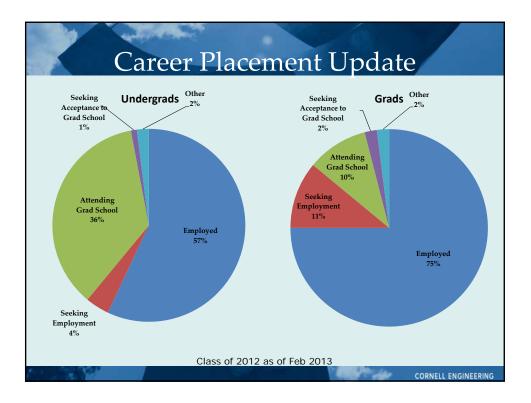




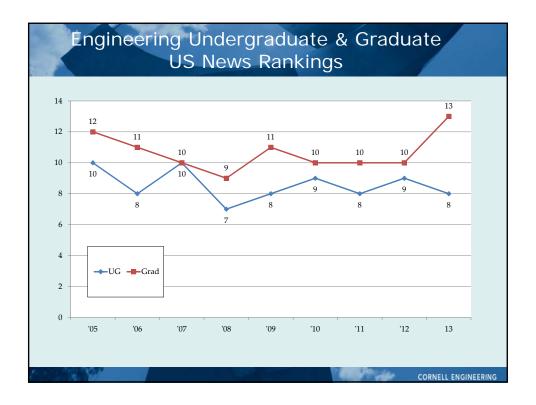






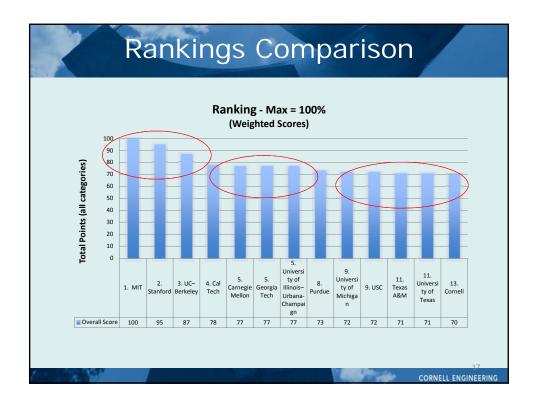






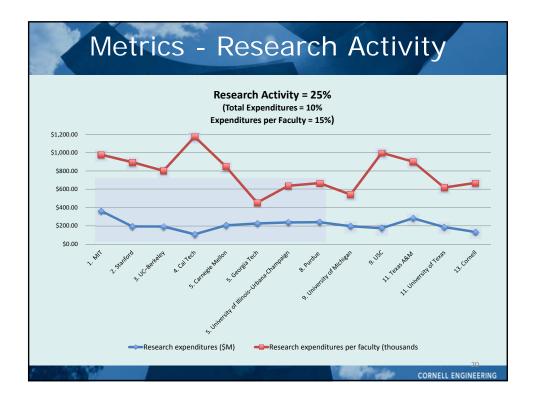
## Cornell Engineering Graduate Program Specialty Ranking 2010 - 2013

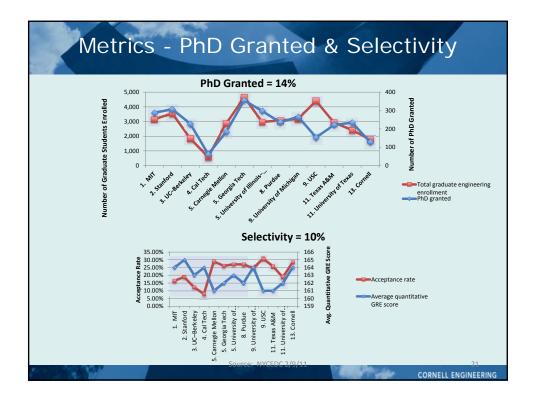
Year Rankings Released	2010	2011	2012	2013
College of Engineering	10	10	10	13
Aerospace	12	11	11	11
Bio/Agriculture	4	4	3	3
Biomedical	20	20	15	20
Chemical	13	13	17	16
Civil	10	10	8	10
Computer Engineering	NR	8	9	5
Electrical	9	9	9	7
Environmental	14	14	12	11
Industrial	8	8	10	7
Materials	8	8	10	7
Mechanical	8	8	9	9

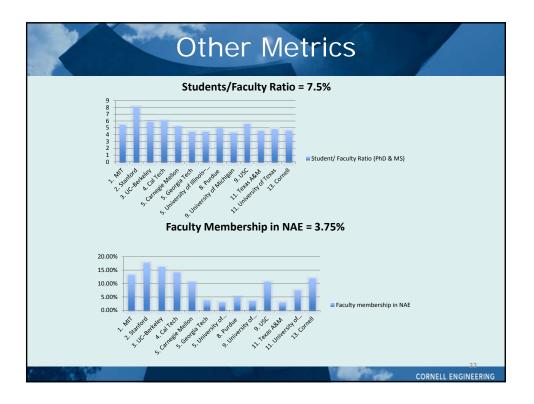


	College Ranking US News	7						
subtle fluc	complex formulas that meas	ure very						
• Metrics:	Metrics:     Metric							
	Quality Assessment							
	-Peer Assessment (engineering deans)	25%						
	-Recruiter Assessment (corporate and company contacts	) 15%						
	Student Selectivity	10%						
	-Mean GRE Quantitative Score	6.75%						
	-Acceptance Rate	3.25%						
	Faculty Resources	25%						
	-Student to Faculty Ratio	11.25%						
	-Percent Faculty in NAE	7.50%						
	-Doctoral Degrees Awarded	6.25%						
	Research Activity	25%						
	-External Research Expenditures	15%						
	-Research Dollars per Full-Time Tenured & Tenure Track	10%						
	Source: NWCEDC 2/9/11	18 CORNELL ENGINEERING						

			I	•	ecruit	ruiter er Ass Assess	essm	ent = 1	15%	%				
<b>State Series 1</b>										1				
Assessm	1.	міт	2. Stanfor d	3. UC– Berkele Y	4. Cal Tech	5. Carnegi e Mellon	5. Georgia Tech	5. Universi ty of Illinois– Urbana- Champa ign	8. Purdue	9. Universi ty of Michiga n	9. USC	11. Texas A&M	11. Universi ty of Texas	13. Cornel
Peer Assessment 5=highest		4.9	4.8	4.8	4.7	4.3	4.5	4.5	4.2	4.4	3.7	3.8	4.2	4.3
Recruiter Assessment 5= highest		4.8	4.6	4.6	4.5	4.2	4.3	4.3	4.1	4.1	3.8	3.8	4	4.1





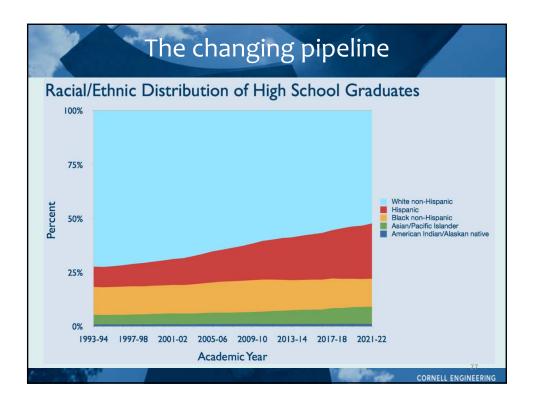


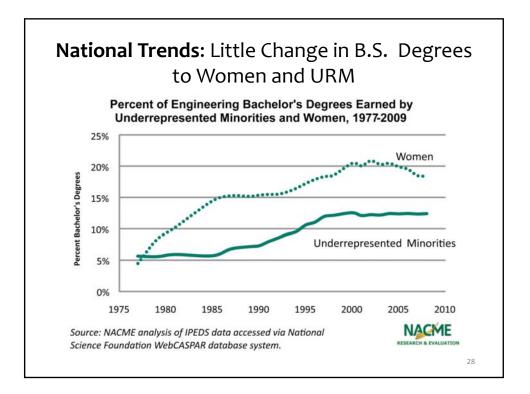


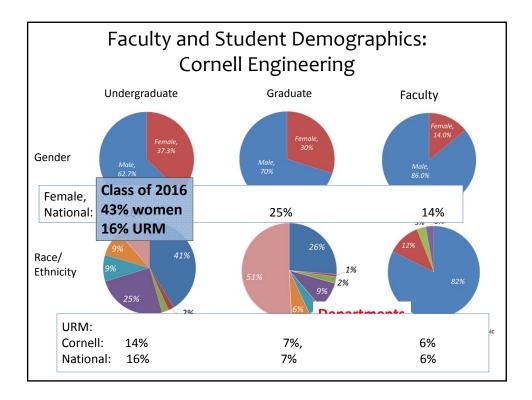




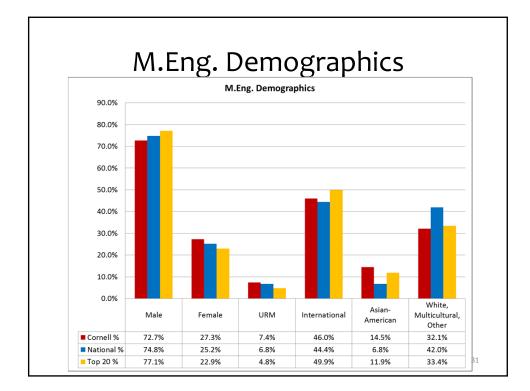


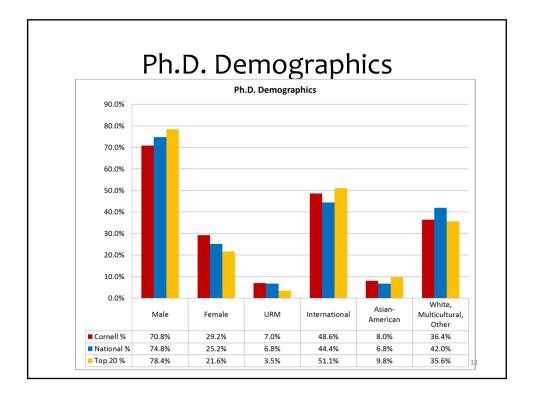


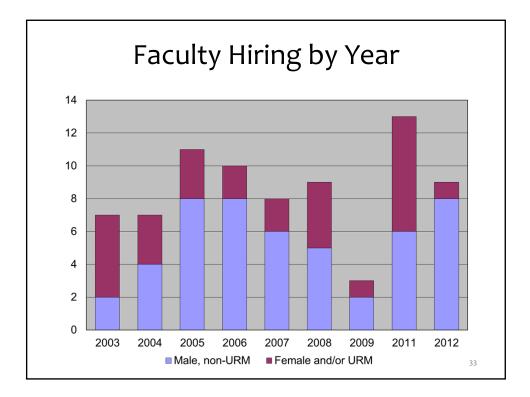


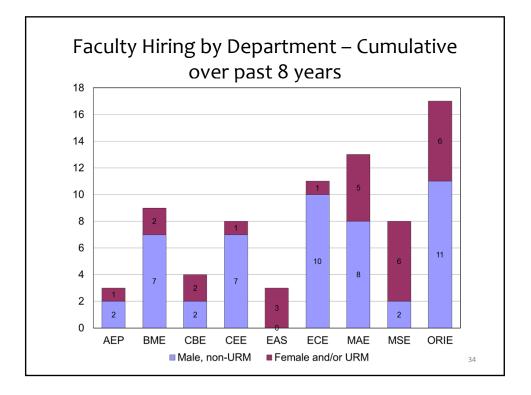


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Completion: clas	ss entered in	2006
	Bachelors: Engr	Bachelors: any Cornell major
Male	83%	90%
Female	80%	93%
URM	76%	85%
Intl.	82%	87%
Asian-American	88%	93%
White, Multicul	85%	93%
Overall	82%	91%



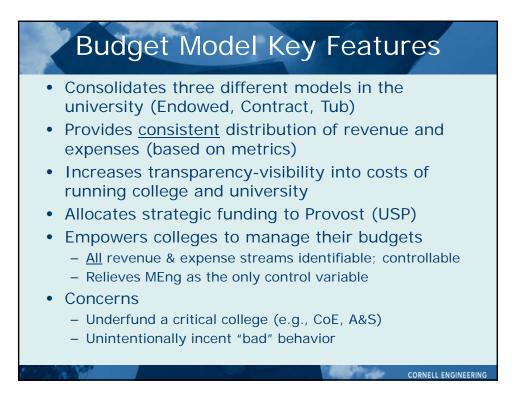


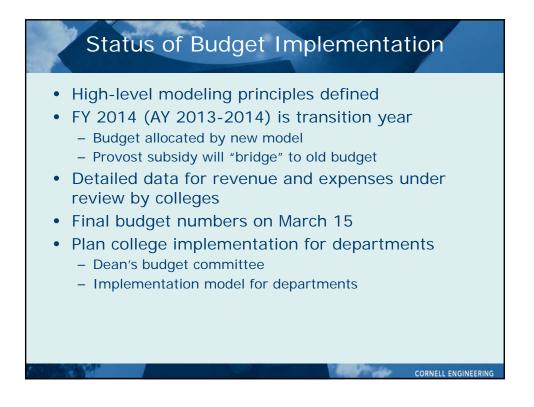


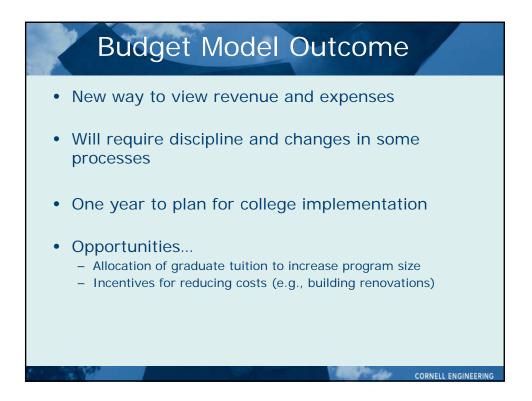




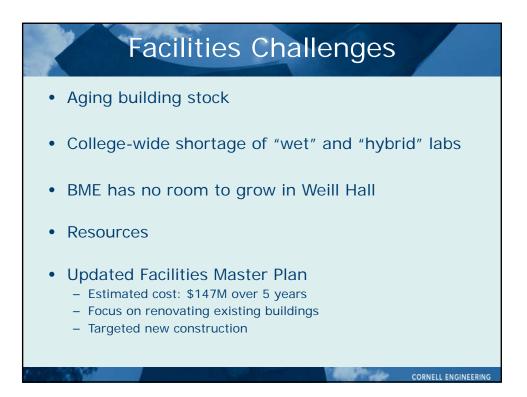








Prelimin	ary Budget
Resources:	
Tuition	\$ 133,221,922
Investment Returns	\$ 21,571,772
Gifts (restricted & unrestricted)	\$ 5,801,227
Sponsored Programs (incl. F&A)	\$ 57,360,463
Other	\$ 755,666
TOTAL:	\$218,711,050
Expenses:	
Salaries, Wages, Benefits	\$ 86,075,223
Financial Aid (grad & ugrad)	\$ 29,389,147
General Expenses	\$ 22,604,813
Other	\$ 7,455,738
SUBTOTAL:	\$ 145,524,921
Cost Redistribution& Debt Service:	\$ 92,256,104
TOTAL:	\$ 237,781,025
Internal Fund Transfers:	\$ 8,714,373
Net Before Subsidy	\$ (10,355,602)
Provost Subsidy Year 1	\$ 10,357,000
NET	\$ 1,398



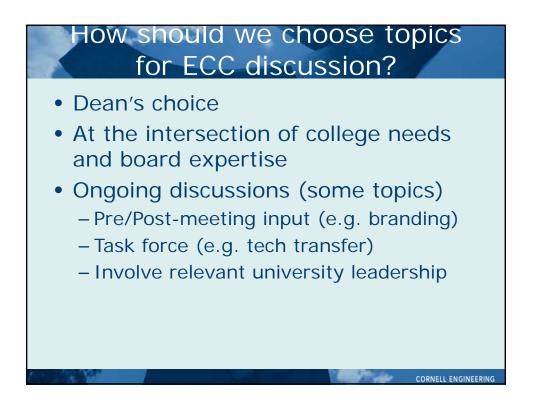












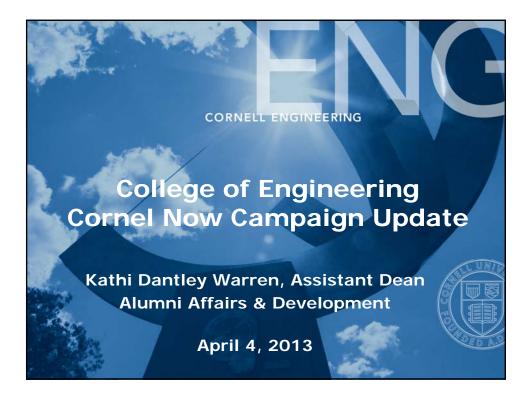
# What is the ideal format for the ECC meeting?

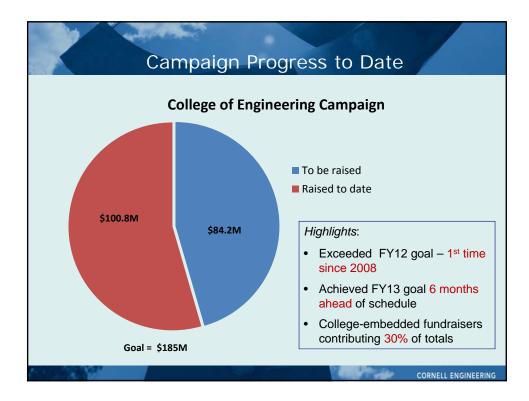
- Allow plenty of time for interaction and discussion
- Well defined questions
- Posted slide decks not effective; "Flip the classroom" online presentations
- Incorporate presentations from student groups, teams, etc.
- Better use of confluence site for ongoing discussions

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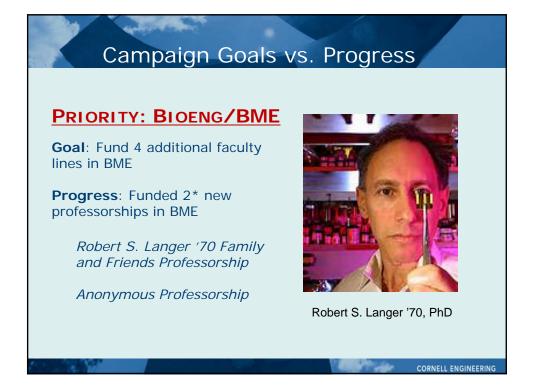












### Campaign Goals vs. Progress

#### **PRIORITY: FACULTY**

**Goal**: Raise \$7.5M in current use Faculty Renewal funds

**Progress**: Secured \$5.4M in Faculty Renewal funds

*Funds have helped to hire 11 new Engineering faculty across the College* 



Meredith Silberstein, PhD Assistant Professor, MAE Mills Family Faculty Fellow

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# Campaign Goals vs. Progress

#### PRIORITY: ENERGY/FACULTY

**Goal**: Provide increased capacity in Energy research

**Progress**: Funded 2 professorships

Wold Family Professor in Environmental Balance for Human Sustainability

Ronald C. and Antonia Vajk Nielsen Professorship



John F. H. Thompson, PhD Wold Family Professor

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# Campaign Goals vs. Progress



#### **PRIORITY: PROGRAMS**

**Goal:** Underwrite Student Teams program and other Experiential Learning Initiatives

**Progress:** Key initiatives funded John A. Swanson '61 Director of Engineering Project Teams &

Swanson endowments for Student Project Teams Academic Excellence Workshops and Engineering Learning Initiatives

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# Campaign Goals vs. Progress

#### PRIORITY: UG SCHOLARSHIPS

**Goal:** Improve access for undergraduates through enhanced scholarship opportunities

**Progress:** Surpassed \$11.75M goal Raised \$15M for scholarships

**PRIORITY: GRAD FELLOWSHIPS Goal:** Provide fellowships for all 1<sup>st</sup> year students

**Progress:** Raised \$11.3M towards \$30M goal *Kionix Graduate Fellowship in MSE/ECE Prakash and Rukmini Sahai Graduate Fellowship in BME Sporck Excellence in Analog Design Fellowships in ECE* 







