



TUFTS UNIVERSITY

School of Engineering

Engineering Graduate Studies Committee (EGSC) Annual Report 2010 -2011 (Revised July 21, 2011)

Members: Mark Cronin-Golomb(BME), Behrouz Abedian(ME), Maria Flytzani-Stephanopoulos(ChBE), Soha Hassoun(CS), Andrew Ramsburg(CEE), Rob Hannemann(TGI), Eric Miller(ECE), Lew Edgers (Chair)

Other Attendees: Alida Poirier(OGS), Okuary Osechas(student), Abenazeer Noorani (student), Joanna Xylas(student)

1. **Electronic Applications** (October 2010) - Gretchen Inman from the Office of Graduate Studies (OGS) explained the steps for application processing, including the steps being taken to move toward electronic application review. **The committee unanimously supported the move to electronic processing of graduate applications.**
2. **International Applications for January Admissions** (November 2010) – Gina Murray of the OGS explained that the the delays in processing visas by the US State Department for students from Iran and Pakistan are beyond our control. After considerable discussion, **the committee recommended that the SOE will continue to accept and process graduate applications for January admission. The students will be told that if they do not get their visa in time for January matriculation, then they will be deferred until the fall.**
3. **New England Association of Schools and Colleges (NEASC)** – Lew briefed the committee on the process and timeline for the NEASC Accreditation visit, scheduled for March 2013. **The departments updated the NEASC E-1A data forms which describe the learning outcomes and evaluation and assessment processes for each of the SOE graduate programs.**
4. **Teaching (TA) and Research Assistant (RA)** – the committee approved a process for the assessment of TA and RA performance. The approved document is posted at : http://engineering.tufts.edu/docs/SOEFacMtg_2-2-11-TARAAssessment.pdf and can be accessed from:
<http://engineering.tufts.edu/studentlife/gradsturesources.htm> and
<http://engineering.tufts.edu/research/facultyresources/index.htm>

5. **Joint Ph.D. in Cognitive Science** - Phil Holcomb (Psychology Department) on behalf of Matthias Scheutz (Computer Science) presented a proposal for a joint Ph.D. in Cognitive Science. **A revised proposal, which addressed the committee's concern that there is a rigorous external review at the end of phase 1 of this program, was supported by 6-0-1 vote of the committee.**
6. **Policy on Incompletes** - Mark Cronin-Golomb explained the new EPC policy on incomplete contracts. **After some discussion, the committee recommended that the SOE adopt the EPC policy for graduate students.**
7. **Dean's and Provost's Fellows –**

Provost Fellows

Kaori Graybeal BME

Dean's Fellows:

Pamela Anderson (BME)
Na Jin (CEE)
Alex Liss (CEE)
Sara Manteiga (ChBE)
Cody Canning (CompS)
Valerie Hajdik (CompS)
Rui Zhang (ME)

8. Graduate Awards

a. School of Engineering Awards

- Outstanding Graduate Contributor to Engineering Education
 - Karen Kosinski, CEE
- Outstanding Graduate Researchers
 - Andrew Winslow, COMP (Master's Level)
 - Nan Yi, ChemEng. (Doctoral Level)
- Outstanding M.S.E.M. Student
 - Matthew Toia
- Outstanding Graduate Alum Career Achievement
 - Michelle Williams, EG'86 (CEE)
- Outstanding Graduate Alum Service Award
 - Robert Haber, E'79, EG '80 (ChemEng)
- Graduate Faculty Teaching and Mentoring Award
 - Asst. Prof. Thomas Vandervelde, ECE

b. Graduate Student Council Awards

- Outstanding Contribution to Graduate Studies
 - Assistant Professor Robert D. White, ME
- Annual Research Symposium
 - STEM- Nan Yi, ChemEng.

- Service Award – Joanna Xylas, BME, President GSC
- c. Other Graduate Awards
 - Robert P. Guertin Student Leadership Award
 - Joanna Xylas, BME
 - Fall 2010 Research Awards
 - Sandeep Sathyamoorthy, CEE
 - Cuixian Yang, ChemEng.
 - Spring 2011 Research Awards
 - Corey Shemelya, EE
 - Graduate Student Photo Contest – first prize went to Gregory H. Meyerhoff (Mechanical Engineering).

The awards were presented at the combined Graduate School of Arts & Sciences (GSAS)/ School of Engineering (SoE) Awards ceremony on April 29, 2011.

9. Up-to-date application statistics (Thanks to Alida Poirier) – **Attachment 1**

Respectfully submitted,

Lewis Edgers
Associate Dean, School of Engineering

Attachment 1
Application Statistics

- **2011 Application Statistics**

SOE Application Statistics - Fall 2011							As of May 24, 2011						
MS							Received	Rejected	Accepted	Declined	Confirmed	Yield%	
Bioengineering							33	4	25	16	8	32%	
Biomedical Engineering							41	7	33	12	14	42%	
Biotechnology Engineering													
Chemical Engineering							23	10	11	4	6	55%	
Civil and Environmental Engineering							98	19	77	45	26	34%	
Computer Science							47	22	25	7	12	48%	
Electrical Engineering							58	45	13	6	6	46%	
Engineering Management							65	16	28	3	23	82%	
Human Factors							8	4	4	3	1	25%	
Mechanical Engineering							88	35	47	15	28	60%	
Totals							461	162	263	111	124	47%	
							Men - 312		Minorities - 73		U.S. - 262		
							Women - 149			Foreign - 199			
Spring (January) 2011							35	7	24	3	21	88%	
PHD							Received	Rejected	Accepted	Declined	Confirmed	Yield%	
Bioengineering													
Biomedical Engineering							110	83	24	9	14	58%	
Biotechnology Engineering							12	10	2	1	1	50%	
Chemical Engineering							55	38	11	8	2	18%	
Civil and Environmental Engineering							63	43	16	8	8	50%	
Computer Science							119	87	29	16	10	34%	
Electrical Engineering							97	65	29	13	11	38%	
Engineering Management													
Human Factors													
Mechanical Engineering							40	30	7	4	2	29%	
Totals							496	356	118	59	48	41%	
							Men - 329		Minorities - 43		U.S. - 167		
							Women - 167			Foreign - 329			
Spring(January)2011							22	10	8	2	6	75%	

- **2010 Application Statistics**

SOE Application Statistics - Fall 2010							As of May 24, 2010						
MS							Received	Rejected	Accepted	Declined	Confirmed	Yield%	
Bioengineering							15	0	15	3	7	47%	
Biomedical Engineering							40	7	30	12	16	53%	
Biotechnology Engineering													
Chemical Engineering							21	10	9	5	3	33%	
Civil and Environmental Engineering							83	9	72	38	23	32%	
Computer Science							45	25	19	9	7	37%	
Electrical Engineering							44	18	23	10	9	39%	
Engineering Management							48	4	44	0	44	100%	
Human Factors							7	2	5	3	2	40%	
Mechanical Engineering							70	22	46	22	17	37%	
Totals							373	97	263	102	128	49%	
							Men - 237		Minorities - 32		U.S. - 131		
							Women - 129				Foreign - 235		
Spring (January) 2010							36	8	22	6	16	73%	
PHD							Received	Rejected	Accepted	Declined	Confirmed	Yield%	
Bioengineering													
Biomedical Engineering							104	86	11	4	4	36%	
Biotechnology Engineering							10	8	1	1	0	0%	
Chemical Engineering							53	33	19	10	8	42%	
Civil and Environmental Engineering							73	62	10	2	7	70%	
Computer Science							95	58	32	17	12	38%	
Electrical Engineering							83	33	45	25	17	38%	
Engineering Management													
Human Factors													
Mechanical Engineering							38	33	3	2	0	0%	
Totals							456	313	121	61	48	40%	
							Men - 308		Minorities - 38		U.S. - 138		
							Women - 148				Foreign - 318		
Spring (January) 2010							14	7	6	1	5	83%	