

Chairs' & Center Directors' Meeting Minutes

Date: March 3, 2014 (12:00 to 2:00 pm)
Location: WCH – Room 443
Attendees: Aguilar, Guillermo
Bhanu, Bir
Boretz, Mitch
Farrell, Jay
Garay, Javier
Haddon, Robert
Hartney, Pat
Lonardi, Stefano (for Laxmi Bhuyan)
Matsumoto, Mark
Myung, Nosang
Najjar, Walid
Ravi
Rodgers, Victor
Vafai, Kambiz
Wang, Albert

Absent: Abbaschian, Reza
Balandin, Alex
Barth, Matt
Bhuyan, Laxmi
Tan, Sheldon

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Mark

Mark announced that Reza's flight was delayed and he would miss today's meeting. Mark thanked Victor for his efforts in helping to organize a successful Science Olympiad this year. There were about 1,200 participants at the event. Also, UCR's women's basketball team defeated UCSB at the BCOE Dean's Night game. Lastly, Mark called attention to the UC Office of General Counsel legal advisory attached to the agenda. This advisory describes the Ninth Circuit's recent ruling that the First Amendment may protect public academic employees from adverse employment actions based on their speech. More details on this advisory will be coming.

Pat added the topic of TA Allocations to the agenda. Jay asked that Ravi discuss course enrollment projections so that departments can determine AY 14/15 targets for the GPP-E Program with UNEX.

2. Approval of Minutes - Pat

The revised minutes of the February 21st Chairs/Directors meeting were unanimously approved.

3. Faculty Recruitment Updates - Chairs

EE: Jay reported that the department's two junior searches were moving forward and that about six candidates are being brought to campus. The department expects to make offers in late March. One candidate for the senior search (with CEE) is visiting next week. There are two candidates for this senior position.

CSE: Stefano stated that four candidates (one senior and three junior) have been interviewed to date. A total of nine candidates will be interviewed through early April.

CEN: Walid reported that one senior candidate has been interviewed but is not an appropriate hire for CEN. A second candidate is still to be interviewed.

CEE: Nosang stated that all junior candidates have been interviewed and will be ranked by the department today. Also, one senior applicant is being interviewed today and there is one possible (senior) opportunity hire. This opportunity hire candidate will be reviewed by a campus committee. Lastly, Harvey Blanch is considering a 25% appointment in BCOE and is discussing the establishment of a campus level research center.

ME: Guillermo stated that the last interview for the department's two faculty lines is being held today. The department will meet on Wednesday to discuss applicants. Guillermo and Jay will meet with Reza later today about the joint senior hire.

MSE: Javier reported that all of the joint MSE faculty searches are proceeding.

4. Graduate Education – Mark

Mark noted the latest summary of BCOE graduate student applications, admits and accepts by BCOE Program attached to the agenda. He noted that there are 145 offers out so far. Additionally, there are 116 offers in the queue. Most of these pending offers should be out next week. In comparison, there were 184 offers out at this time last year. Walid added that CEN offer decisions should be made today. The number of accepts has decreased from last year but it's too early to be concerned. Commitments on BCOE's central grad student fellowship funding looks OK so far this year.

5. Undergraduate Education - Ravi

Ravi announced that the second round of freshmen offers has gone out. BCOE has admitted all applicants with AIS scores over 4,200. There are seven accepts so far. The deadline for accepts is May 1st. Admit offers for transfer students have not yet been processed.

Ravi stated that there will be a Regents and Chancellors Scholarship event on campus this Saturday (March 8th) morning. RSVPs for this year's event has more than doubled from 300 to 675. Since this number exceeds BCOE space capacities, the event's breakfast will be held on the lawn near Pierce Hall and presentations will be made in the University Lecture hall. Ravi asked Chairs to request department faculty to attend this event since it's important to have one BCOE representative at each table. In addition to faculty, several BCOE Student Affairs staff will attend. The amounts for these scholarships have been increased this year to \$10,000 for a Regent's Scholarship and \$5,000 for a Chancellor's Scholarship. Discovery Day will be held in the afternoon following this Scholarship event.

Ravi noted the tables attached to the agenda. The first (5 page) table presents the highest class attained (by incoming freshmen) in their entry majors by BCOE program from 2005 to 2013. For example, there were 53 incoming freshmen in Bioengineering in 2006. The highest level reached by these 53 students were: 12 reached the freshmen level, 7 reached the sophomore level, 3 reached the junior level and 22 reached the senior level. Reaching the senior level does not yet mean that they've graduated. The second (5 page) table presents retention rates by BCOE majors from 2005 to 2013. For example, of the 45 freshmen that entered Computer Science in 2005, 17 (37.8%) graduated from BCOE, 10 (22.2%) graduated from another UCR academic unit and 18 (40%) left UCR. The third (2 page) table presents freshmen four- and six-year graduation rates by BCOE major. For example, of the 109 incoming ME students in 2006, 19 (17.4%) graduated in four years, an additional 24 (22%) graduated in six years and a total of 44 (40.4%) graduated in BCOE. The fifth (1 page)

table presents the size of graduating classes by BCOE major from 2005 to 2014. The sixth (2 page) table presents the numbers of students transferring to and from BCOE majors from 2006 to 2013. Ravi added that the net flow of these students to and from BCOE majors is a wash.

Ravi stated that he met with the Chinese agent that is recruiting students for the GPP-E Program with UNEX. Jun Wang will be leaving on Saturday for a two week recruiting trip to about 20 Chinese universities with this agent. For next year, Ravi wants to attract Chinese students interested in pursuing an MS degree. Eight units from these student's first year at BCOE can be used for an MS degree. This would allow the student to finish an MS degree in one additional year. Also, the BCOE department would be allocated an additional ~\$6,000 in MS degree non-resident fee return. Ravi feels that there is high interest in China for this program. It is stressed to these Chinese students that there will be no automatic entry into a graduate degree program after the first year. Most of this year's participants have applied to an MS or PhD program either in BCOE or elsewhere. Ravi added that the course planning program that is being developed by his students should be available in Spring quarter. In the meantime, departments will need to use the course estimates being provided by BCOE Student Affairs using the existing system.

6. Center Updates

CRIS: Bir reported that a white paper was prepared for DARPA.

CNSE: Robert stated that there was no news for the Center.

WCGEC: Nosang announced that the Center's new lab in Bourns B236 should be finished by April 1st.

7. Other Matters

TA Allocations: Pat distributed a summary of the three TA allocation funding options discussed last Fall and a summary of the Special Program Allocations presented at the last Chairs/Directors meeting. He noted that over \$325K in Special Program funding will be allocated to BCOE departments/programs this year which equals about 17% of the total TA pool available. He added that the TA Allocation pool is fixed unless additional funds are provided by campus and that departments should therefore focus on generating funds through Special Programs. Pat recommended that the next regular Chairs/Directors meeting (on March 17th) be a Chairs-only meeting to discuss TA allocations. Instead of discussing the various TA allocation methodologies to distribute TA funds among departments/programs, Pat recommended that Chairs be prepared to discuss the methods used by each department to assign TAs to courses. He understands that some departments use spreadsheet based methods while other departments use historical TA/course information, etc. It would likely be helpful for departments to share this information and gain insights into other TA assignment approaches.

Interdisciplinary Building: Mark stated that the campus is initiating the planning process to develop an interdisciplinary building. This building would include labs (for BCOE and CNAS) and classrooms. The interdisciplinary building would probably be funded internally by campus. EBUIII is still in the new building queue for UCR but there is no funding available for it.



Chairs' & Center Directors' Meeting

March 3, 2014

Agenda

Winston Chung Hall – Room 443

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|----|---|-----------|
| 1. | Welcome - Request for Agenda Items from the Floor | Reza |
| 2. | Approval of Minutes from January 27, 2014 Meeting | Pat |
| 3. | Faculty Recruitment Updates | Chairs |
| 4. | Graduate Education | Mark |
| 4. | Undergraduate Education | Ravi |
| 6. | Center Updates | Directors |
| 7. | Other Matters | |

Future Meeting Dates

2013

~~Monday, August 5~~
~~Monday, September 9~~
~~Friday, September 27~~
~~Friday, October 11~~
~~Monday, October 21~~
~~Friday, November 15~~
~~Monday, December 2~~
~~Monday, December 16~~

2014

~~Friday, January 10~~
~~Monday, January 27~~
~~Monday, February 10~~
~~Friday, February 21~~
~~Monday, March 3~~
 Monday, March 17
 Monday, March 31
 Monday, April 14
 Monday, April 28
 Monday, May 12
 Friday, May 30
 Monday, June 9
 Monday, June 23
 Monday, July 7

OFFICE OF THE GENERAL COUNSEL

Legal Advisory

March 3, 2014

Charles F. Robinson
General Counsel
Vice President for Legal Affairs

www.ucop.edu/general-counsel

SUMMARY

In California, the First Amendment may protect public academic employees from adverse employment actions based on their speech.

If you have any questions about the subject matter in this article, please contact:

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OGC Legal Advisories are issued by the Office of the General Counsel to provide updates regarding important legal and regulatory developments that affect the University. For additional information or assistance with a specific legal matter, please contact the Office of the General Counsel.

NINTH CIRCUIT HOLDS THAT ACADEMIC EMPLOYEES' SPEECH PURSUANT TO THEIR OFFICIAL DUTIES MAY BE PROTECTED BY THE FIRST AMENDMENT

The Ninth Circuit recently held that statements made by academic employees pursuant to their official duties – such as commenting on faculty restructuring – may be protected by the First Amendment in certain circumstances. *Demers v. Austin*, 2014 WL 306321 (9th Cir. Jan. 29, 2014). The opinion clarifies that the Ninth Circuit will analyze First Amendment claims based on “teaching and writing on academic matters ... by publicly employed teachers” under the Supreme Court’s decision in *Pickering v. Board of Educ.*, 391 U.S. 536 (1968).

In *Pickering*, the Supreme Court held that a public employee’s speech would be protected if it addressed a matter of public concern and the employee’s interest outweighed the employer’s. However, in a later decision, *Garcetti v. Ceballos*, 547 U.S. 410, 421 (2006), the Court held that, “when public employees make statements pursuant to their official duties the Constitution does not insulate their communications from employer discipline.” The Ninth Circuit’s decision in *Demers* is noteworthy because, for public academic institutions in California, it clarified that employment actions taken against academic employees on the basis of their speech would not be analyzed under the *Garcetti* test but rather the more employee-friendly *Pickering* test.

In *Demers*, a professor at Washington State University alleged that the University had retaliated against him based in part on a pamphlet he had written proposing to restructure the faculty of his college. He wrote the pamphlet when he was serving on a committee considering related issues. The court found that Demers wrote the pamphlet pursuant to his official duties, rejecting the argument that his use of a separate business’s name in distributing the pamphlet rendered it speech by a private citizen. Had the court followed *Garcetti*, the pamphlet would not have been protected speech. However, the court held that *Garcetti* did not control because this type of speech – “teaching and academic writing” by public employees – and academic freedom are a “special concern of the First Amendment.”

Turning to the *Pickering* test instead, the court began by “recognizing our limitations as judges” to assess “the nature and strength” both of the public interest in academic speech and of the employing university’s institutional interests. Courts “should hesitate before concluding,” on the one hand, “that academic disagreements about what may appear to be esoteric topics are mere squabbles over jobs, turf, or ego,” or on the other “that we know better than the institution itself the nature and strength of its legitimate interests.” In particular, the court noted that a university’s “content-based judgment” of a professor’s writing for purposes of tenure or promotion is “both necessary and appropriate.”

Applying the *Pickering* test, the court found that the professor’s pamphlet addressed a matter of public concern, emphasizing that “academic writing” is not limited to just scholarship and noting that the pamphlet contained broad recommendations about the school’s focus and direction at a time when the school was debating these issues and had been distributed widely. The court remanded the case to the district court to decide the remaining issues, e.g. whether the University’s interest in controlling the circulation of the pamphlet outweighed the professor’s interests and whether the University would have taken the employment actions against the professor absent the protected speech.

The *Demers* decision is significant for the University because the court has signaled that academic employees are likely to have greater protection from adverse employment actions based on speech made in the course of their official duties than other public employees enjoy. However, the Ninth Circuit did not rule on what the outcome of the balancing test should have been in this case, nor has it yet applied it to a number of more complex scenarios, for example tenure decisions based on academic writing. Indeed, the court acknowledged that the balancing process “is likely to be particularly subtle and difficult” in the academic setting.

3 Mar-14

APPLICATIONS

4-Mar-13

APPLICATIONS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	29	28	57	44	37	81	73	65	138
CEE	27	41	68	37	96	133	64	137	201
CEN	5	64	69	0	0	0	5	64	69
CPSC	40	487	527	32	215	247	72	702	774
ELEN	28	349	377	20	226	246	48	575	623
MSOL	0	0	0	0	0	0	0	0	0
MSE	9	39	48	22	79	101	31	118	149
MCEN	30	56	86	24	61	85	54	127	181
BCOE	168	1074	1242	179	714	893	347	1788	2135

ADMITTS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	9	1	10	14	0	14	23	1	24
CEE	16	6	22	18	15	33	34	21	55
CEN	0	0	0	0	0	0	0	0	0
CPSC	0	0	0	9	11	20	9	11	20
ELEN	2	1	3	0	0	0	2	1	3
MSOL	0	0	0	0	0	0	0	0	0
MSE	5	1	6	9	0	9	14	1	15
MCEN	11	2	13	13	2	15	24	4	28
BCOE	43	11	54	63	28	91	106	39	145

IN PROCESS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	6	5	11	4	8	12	10	13	23
CEE	4	12	16	1	12	13	5	24	29
CEN	0	0	0	0	0	0	0	0	0
CPSC	0	0	0	3	23	26	3	23	26
ELEN	8	0	8	10	3	13	18	3	21
MSOL	0	0	0	0	0	0	0	0	0
MSE	0	0	0	4	4	8	4	4	8
MCEN	3	3	6	3	0	3	6	3	9
BCOE	21	20	41	25	50	75	46	70	116

ACCEPTS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	0	0	0	2	0	2	2	0	2
CEE	2	0	2	0	1	1	2	1	3
CEN	0	0	0	0	0	0	0	0	0
CPSC	0	0	0	1	1	2	1	1	2
ELEN	0	0	0	0	0	0	0	0	0
MSOL	0	0	0	0	0	0	0	0	0
MSE	0	0	0	1	0	1	1	0	1
MCEN	2	0	2	1	0	1	3	0	3
BCOE	4	0	4	5	2	7	9	2	11

DECLINES

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	0	0	0	0	0	0	0	0	0
CEE	2	1	3	1	0	1	3	1	4
CEN	0	0	0	0	0	0	0	0	0
CPSC	0	0	0	0	1	1	0	1	1
ELEN	0	0	0	0	0	0	0	0	0
MSOL	0	0	0	0	0	0	0	0	0
MSE	0	0	0	0	0	0	0	0	0
MCEN	0	0	0	1	0	1	1	0	1
BCOE	2	1	3	2	1	3	4	2	6

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	35	24	59	46	28	74	81	52	133
CEE	20	54	74	38	97	135	58	151	209
CEN	6	37	43	0	0	0	6	37	43
CPSC	44	430	474	30	208	238	74	638	712
ELEN	30	376	406	29	220	249	59	596	655
MSOL	0	0	0	0	0	0	0	0	0
MSE	9	42	51	21	65	86	30	107	137
MCEN	25	63	88	13	51	64	38	114	152
BCOE	169	1026	1195	177	669	846	346	1695	2041

ADMITTS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	5	3	8	20	3	23	25	6	31
CEE	9	5	14	21	23	44	30	28	58
CEN	0	0	0	0	0	0	0	0	0
CPSC	0	0	0	12	20	32	12	20	32
ELEN	5	0	5	4	15	19	9	15	24
MSOL	0	0	0	0	0	0	0	0	0
MSE	5	0	5	9	0	9	14	0	14
MCEN	16	3	19	7	0	7	23	3	26
BCOE	40	11	51	73	61	134	113	72	185

IN PROCESS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	1	0	1	5	3	8	6	3	9
CEE	0	0	0	2	2	4	2	2	4
CEN	0	0	0	0	0	0	0	0	0
CPSC	0	0	0	0	0	0	0	0	0
ELEN	1	0	1	1	6	7	2	6	8
MSOL	0	0	0	0	0	0	0	0	0
MSE	0	0	0	1	0	1	1	0	1
MCEN	0	1	1	0	0	0	0	1	1
BCOE	2	1	3	9	11	20	11	12	23

ACCEPTS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	1	3	4	0	1	1	1	4	5
CEE	1	1	2	2	8	10	3	9	12
CEN	0	0	0	0	0	0	0	0	0
CPSC	0	0	0	4	5	9	4	5	9
ELEN	0	0	0	0	3	3	0	3	3
MSOL	0	0	0	0	0	0	0	0	0
MSE	0	0	0	2	0	2	2	0	2
MCEN	1	0	1	1	0	1	2	0	2
BCOE	3	4	7	9	17	26	12	21	33

DECLINES

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	0	0	0	0	0	0	0	0	0
CEE	1	0	1	3	1	4	4	1	5
CEN	0	0	0	0	0	0	0	0	0
CPSC	0	0	0	0	0	0	0	0	0
ELEN	0	0	0	0	1	1	0	1	1
MSOL	0	0	0	0	0	0	0	0	0
MSE	0	0	0	1	0	1	1	0	1
MCEN	0	0	0	1	0	1	1	0	1
BCOE	1	0	1	4	2	6	5	2	7

Highest Class Attained in Entry Major (Incoming Freshmen)

MAJOR	COHORT	ENTERING	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
Bioengineering	2005	8	2 (25.0%)	0 (0.0%)	1 (12.5%)	3 (37.50%)
	2006	53	12 (22.6%)	7 (13.2%)	3 (5.7%)	22 (41.51%)
	2007	47	6 (12.8%)	8 (17.0%)	3 (6.4%)	21 (44.68%)
	2008	71	13 (18.3%)	9 (12.7%)	5 (7.0%)	28 (39.44%)
	2009	83	16 (19.3%)	9 (10.8%)	5 (6.0%)	38 (45.78%)
	2010	156	32 (20.5%)	28 (17.9%)	19 (12.2%)	49 (31.41%)
	2011	89	17 (19.1%)	16 (18.0%)	36 (40.4%)	12 (13.48%)
	2012	103	22 (21.4%)	62 (60.2%)	13 (12.6%)	2 (1.94%)
	2013	73	66 (90.4%)	6 (8.2%)	1 (1.4%)	

Bioengineering BS + MS

2010	2					0 (0.00%)
2011	2			0 (0.0%)		1 (50.00%)
2012	3			2 (66.7%)	0 (0.0%)	
2013	5		4 (80.0%)	1 (20.0%)		

Business Informatics

2008	1					1 (100.00%)
2009	10		3 (30.0%)	0 (0.0%)	1 (10.0%)	0 (0.00%)
2010	20		11 (55.0%)	4 (20.0%)	3 (15.0%)	2 (10.00%)
2011	11		3 (27.3%)	5 (45.5%)	1 (9.1%)	
2012	11		4 (36.4%)	7 (63.6%)		
2013	12		11 (91.7%)	1 (8.3%)		

Chemical Engineering

2005	34		8 (23.5%)	5 (14.7%)	0 (0.0%)	13 (38.24%)
2006	19		4 (21.1%)	2 (10.5%)		8 (42.11%)
2007	34		5 (14.7%)	3 (8.8%)	2 (5.9%)	11 (32.35%)
2008	36		3 (8.3%)	7 (19.4%)	3 (8.3%)	14 (38.89%)

MAJOR

COHORT	ENTERING	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
2009	59	6 (10.2%)	13 (22.0%)	4 (6.8%)	24 (40.68%)
2010	74	12 (16.2%)	10 (13.5%)	10 (13.5%)	25 (33.78%)
2011	44	5 (11.4%)	9 (20.5%)	25 (56.8%)	2 (4.55%)
2012	65	13 (20.0%)	44 (67.7%)	5 (7.7%)	1 (1.54%)
2013	60	57 (95.0%)	3 (5.0%)		

Chemical Engineering BS + MS

2009	1				0 (0.00%)
2010	1				1 (100.00%)
2011	1				1 (100.00%)
2013	1	1 (100.0%)			

Computer Engineering

2005	56	18 (32.1%)	6 (10.7%)	3 (5.4%)	10 (17.86%)
2006	81	23 (28.4%)	9 (11.1%)	7 (8.6%)	11 (13.58%)
2007	58	20 (34.5%)	4 (6.9%)	2 (3.4%)	16 (27.59%)
2008	102	22 (21.6%)	14 (13.7%)	3 (2.9%)	25 (24.51%)
2009	77	20 (26.0%)	15 (19.5%)	4 (5.2%)	17 (22.08%)
2010	106	31 (29.2%)	10 (9.4%)	14 (13.2%)	17 (16.04%)
2011	71	16 (22.5%)	12 (16.9%)	37 (52.1%)	1 (1.41%)
2012	69	19 (27.5%)	40 (58.0%)	2 (2.9%)	
2013	69	64 (92.8%)	5 (7.2%)		

Computer Engineering BS + MS

2011	1	0 (0.0%)			
2012	2		0 (0.0%)	0 (0.0%)	
2013	2	2 (100.0%)			

Computer Science

2005	45	10 (22.2%)	7 (15.6%)	3 (6.7%)	11 (24.44%)
2006	67	16 (23.9%)	14 (20.9%)	3 (4.5%)	16 (23.88%)
2007	68	16 (23.5%)	9 (13.2%)	6 (8.8%)	24 (35.29%)

MAJOR	COHORT	ENTERING	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
	2008	87	16 (18.4%)	7 (8.0%)	8 (9.2%)	23 (26.44%)
	2009	71	16 (22.5%)	10 (14.1%)	9 (12.7%)	21 (29.58%)
	2010	102	14 (13.7%)	23 (22.5%)	25 (24.5%)	24 (23.53%)
	2011	78	16 (20.5%)	20 (25.6%)	27 (34.6%)	2 (2.56%)
	2012	75	21 (28.0%)	46 (61.3%)	4 (5.3%)	
	2013	75	67 (89.3%)	8 (10.7%)		

Computer Science BS + MS

2009	1	1 (100.0%)				
2010	2				0 (0.0%)	1 (50.00%)
2012	4			1 (25.0%)		
2013	7	5 (71.4%)	2 (28.6%)			

Electrical Engineering

2005	40	11 (27.5%)	4 (10.0%)	4 (10.0%)	13 (32.50%)	
2006	38	8 (21.1%)	5 (13.2%)	3 (7.9%)	18 (47.37%)	
2007	37	11 (29.7%)	6 (16.2%)	4 (10.8%)	14 (37.84%)	
2008	57	9 (15.8%)	3 (5.3%)	7 (12.3%)	22 (38.60%)	
2009	58	12 (20.7%)	6 (10.3%)	7 (12.1%)	23 (39.66%)	
2010	88	17 (19.3%)	11 (12.5%)	18 (20.5%)	30 (34.09%)	
2011	56	9 (16.1%)	14 (25.0%)	25 (44.6%)	3 (5.36%)	
2012	75	18 (24.0%)	50 (66.7%)	1 (1.3%)		
2013	96	94 (97.9%)	2 (2.1%)			

Electrical Engineering BS + MS

2010	5		0 (0.0%)	0 (0.0%)	1 (20.00%)	
2013	1	1 (100.0%)				

Engineering (Prep)

2005	6	2 (33.3%)	0 (0.0%)			
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Environmental Engineering

MAJOR

COHORT	ENTERING	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
2005	10	2 (20.0%)	1 (10.0%)	1 (10.0%)	3 (30.00%)
2006	23	4 (17.4%)	3 (13.0%)	2 (8.7%)	9 (39.13%)
2007	15	3 (20.0%)	3 (20.0%)		4 (26.67%)
2008	32	4 (12.5%)	4 (12.5%)	2 (6.3%)	12 (37.50%)
2009	50	11 (22.0%)	5 (10.0%)	4 (8.0%)	19 (38.00%)
2010	56	6 (10.7%)	7 (12.5%)	9 (16.1%)	21 (37.50%)
2011	38	7 (18.4%)	8 (21.1%)	15 (39.5%)	1 (2.63%)
2012	43	14 (32.6%)	25 (58.1%)	1 (2.3%)	1 (2.33%)
2013	48	44 (91.7%)	3 (6.3%)	1 (2.1%)	

Environmental Engineering BS + MS

2009	1				0 (0.00%)
2010	4	0 (0.0%)		0 (0.0%)	0 (0.00%)
2011	2			0 (0.0%)	
2012	1			1 (100.0%)	

Information Systems

2005	5	2 (40.0%)	1 (20.0%)		1 (20.00%)
2006	7	2 (28.6%)		0 (0.0%)	1 (14.29%)
2007	11	5 (45.5%)	1 (9.1%)	1 (9.1%)	2 (18.18%)
2008	6	1 (16.7%)	1 (16.7%)	0 (0.0%)	

Materials Science and Engineering

2008	15	2 (13.3%)	0 (0.0%)	1 (6.7%)	5 (33.33%)
2009	14	1 (7.1%)	4 (28.6%)	2 (14.3%)	6 (42.86%)
2010	20	8 (40.0%)	3 (15.0%)	2 (10.0%)	6 (30.00%)
2011	4		2 (50.0%)	2 (50.0%)	
2012	9	2 (22.2%)	7 (77.8%)		
2013	28	26 (92.9%)	2 (7.1%)		

Mechanical Engineering

2005	90	16 (17.8%)	14 (15.6%)	3 (3.3%)	43 (47.78%)
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MAJOR	COHORT	ENTERING	FRESHMAN	SOPHOMORE	JUNIOR	SENIOR
	2006	110	28 (25.5%)	12 (10.9%)	5 (4.5%)	49 (44.55%)
	2007	130	29 (22.3%)	24 (18.5%)	11 (8.5%)	45 (34.62%)
	2008	158	25 (15.8%)	19 (12.0%)	17 (10.8%)	67 (42.41%)
	2009	133	35 (26.3%)	22 (16.5%)	6 (4.5%)	54 (40.60%)
	2010	189	42 (22.2%)	19 (10.1%)	23 (12.2%)	70 (37.04%)
	2011	143	22 (15.4%)	34 (23.8%)	67 (46.9%)	4 (2.80%)
	2012	144	40 (27.8%)	88 (61.1%)	7 (4.9%)	
	2013	105	100 (95.2%)	5 (4.8%)		

Mechanical Engineering BS + MS

2009	2					0 (0.00%)
2010	4	1 (25.0%)				1 (25.00%)
2011	1					1 (100.00%)
2012	3			1 (33.3%)	1 (33.3%)	
2013	5	3 (60.0%)	2 (40.0%)			

Pre-Engineering

2011	25	8 (32.0%)	2 (8.0%)	2 (8.0%)	0 (0.00%)	
Grand Total	4806	1453	947	552	1047	

Retention By Major

COHORT	ENTRY MAJOR	FRESHMAN COUNT	GRADUATED FROM BCOE	CONTINUING IN BCOE	GRADUATED FROM UCR	CONTINUING IN UCR	LOST FROM UCR
2005	Bioengineering	8	4 (50.0%)		2 (25.0%)		2 (25.0%)
	Chemical Engineering	34	17 (50.0%)		7 (20.6%)		10 (29.4%)
	Computer Engineering	56	15 (26.8%)	1 (1.8%)	14 (25.0%)	1 (1.8%)	25 (44.6%)
	Computer Science	45	17 (37.8%)		10 (22.2%)		18 (40.0%)
	Electrical Engineering	40	15 (37.5%)	1 (2.5%)	8 (20.0%)		16 (40.0%)
	Engineering (Prep)	6			2 (33.3%)		4 (66.7%)
	Environmental Engineering	10	3 (30.0%)		5 (50.0%)		2 (20.0%)
	Information Systems	5	1 (20.0%)		1 (20.0%)		3 (60.0%)
	Mechanical Engineering	90	43 (47.8%)		16 (17.8%)		31 (34.4%)
	Aggregate Statistics	294	115 (39.1%)	2 (0.7%)	65 (22.1%)	1 (0.3%)	111 (37.8%)
2006	Bioengineering	53	19 (35.8%)	1 (1.9%)	12 (22.6%)	1 (1.9%)	20 (37.7%)
	Chemical Engineering	19	12 (63.2%)		1 (5.3%)		6 (31.6%)
	Computer Engineering	81	24 (29.6%)		24 (29.6%)	1 (1.2%)	32 (39.5%)
	Computer Science	67	19 (28.4%)		17 (25.4%)	1 (1.5%)	30 (44.8%)
	Electrical Engineering	38	16 (42.1%)		6 (15.8%)		16 (42.1%)
	Environmental Engineering	23	10 (43.5%)		8 (34.8%)		5 (21.7%)
	Information Systems	7	2 (28.6%)		1 (14.3%)		4 (57.1%)
	Mechanical Engineering	110	45 (40.9%)	3 (2.7%)	24 (21.8%)	1 (0.9%)	37 (33.6%)
	Aggregate Statistics	398	147 (36.9%)	4 (1.0%)	93 (23.4%)	4 (1.0%)	150 (37.7%)
2007	Bioengineering	47	22 (46.8%)		9 (19.1%)	1 (2.1%)	15 (31.9%)
	Chemical Engineering	34	14 (41.2%)		5 (14.7%)	1 (2.9%)	14 (41.2%)
	Computer Engineering	58	17 (29.3%)	1 (1.7%)	15 (25.9%)	1 (1.7%)	24 (41.4%)

COHORT	ENTRY MAJOR	FRESHMAN COUNT	GRADUATED FROM BCQE	CONTINUING IN BCQE	GRADUATED FROM UCR	CONTINUING IN UCR	LOST FROM UCR
2008	Computer Science	68	28 (41.2%)	2 (2.9%)	14 (20.6%)	1 (1.5%)	23 (33.8%)
	Electrical Engineering	37	14 (37.8%)		5 (13.5%)	1 (2.7%)	17 (45.9%)
	Environmental Engineering	15	5 (33.3%)		5 (33.3%)		5 (33.3%)
	Information Systems	11	1 (9.1%)		4 (36.4%)		6 (54.5%)
	Mechanical Engineering	130	43 (33.1%)	5 (3.8%)	22 (16.9%)	6 (4.6%)	54 (41.5%)
	Aggregate Statistics	400	144 (36.0%)	8 (2.0%)	79 (19.8%)	11 (2.8%)	158 (39.5%)
	Bioengineering	71	32 (45.1%)	2 (2.8%)	15 (21.1%)	3 (4.2%)	19 (26.8%)
	Business Informatics	1		1 (100.0%)			
	Chemical Engineering	36	14 (38.9%)		3 (8.3%)	2 (5.6%)	17 (47.2%)
	Computer Engineering	102	23 (22.5%)	10 (9.8%)	16 (15.7%)	10 (9.8%)	43 (42.2%)
2009	Computer Science	87	25 (28.7%)	3 (3.4%)	23 (26.4%)	8 (9.2%)	28 (32.2%)
	Electrical Engineering	57	19 (33.3%)	5 (8.8%)	5 (8.8%)	5 (8.8%)	23 (40.4%)
	Environmental Engineering	32	11 (34.4%)	1 (3.1%)	9 (28.1%)	4 (12.5%)	7 (21.9%)
	Information Systems	6			2 (33.3%)		4 (66.7%)
	Materials Science and Engineering	15	2 (13.3%)	3 (20.0%)	3 (20.0%)		7 (46.7%)
	Mechanical Engineering	158	56 (35.4%)	16 (10.1%)	23 (14.6%)	13 (8.2%)	50 (31.6%)
	Aggregate Statistics	565	182 (32.2%)	41 (7.3%)	99 (17.5%)	45 (8.0%)	198 (35.0%)
	Bioengineering	83	26 (31.3%)	13 (15.7%)	8 (9.6%)	13 (15.7%)	23 (27.7%)
	Business Informatics	10		3 (30.0%)	1 (10.0%)	5 (50.0%)	1 (10.0%)
	Chemical Engineering	59	11 (18.6%)	17 (28.8%)	4 (6.8%)	4 (6.8%)	23 (39.0%)
	Chemical Engineering BS + MS	1		1 (100.0%)			
	Computer Engineering	77	7 (9.1%)	22 (28.6%)	11 (14.3%)	12 (15.6%)	25 (32.5%)
	Computer Science	71	7 (9.9%)	20 (28.2%)	6 (8.5%)	12 (16.9%)	26 (36.6%)
	Computer Science BS + MS	1					1 (100.0%)

COHORT	ENTRY MAJOR	FRESHMAN COUNT	GRADUATED FROM BCOE	CONTINUING IN BCOE	GRADUATED FROM UCR	CONTINUING IN UCR	LOST FROM UCR
2010	Electrical Engineering	58	8 (13.8%)	23 (39.7%)	4 (6.9%)	4 (6.9%)	19 (32.8%)
	Environmental Engineering	50	12 (24.0%)	12 (24.0%)	2 (4.0%)	10 (20.0%)	14 (28.0%)
	Environmental Engineering BS + MS	1	1 (100.0%)				
	Materials Science and Engineering	14	1 (7.1%)	5 (35.7%)		3 (21.4%)	5 (35.7%)
	Mechanical Engineering	133	27 (20.3%)	29 (21.8%)	11 (8.3%)	17 (12.8%)	49 (36.8%)
	Mechanical Engineering BS + MS	2	1 (50.0%)				1 (50.0%)
	Aggregate Statistics	560	101 (18.0%)	145 (25.9%)	47 (8.4%)	80 (14.3%)	187 (33.4%)
	Bioengineering	156		69 (44.2%)		41 (26.3%)	46 (29.5%)
	Bioengineering BS + MS	2		2 (100.0%)			
	Business Informatics	20		2 (10.0%)		13 (65.0%)	5 (25.0%)
	Chemical Engineering	74		33 (44.6%)		14 (18.9%)	27 (36.5%)
	Chemical Engineering BS + MS	1		1 (100.0%)			
	Computer Engineering	106		43 (40.6%)		25 (23.6%)	38 (35.8%)
2011	Computer Science	102	1 (1.0%)	51 (50.0%)		17 (16.7%)	33 (32.4%)
	Computer Science BS + MS	2		1 (50.0%)			1 (50.0%)
	Electrical Engineering	88	1 (1.1%)	47 (53.4%)		14 (15.9%)	26 (29.5%)
	Electrical Engineering BS + MS	5		3 (60.0%)			2 (40.0%)
	Environmental Engineering	56	1 (1.8%)	30 (53.6%)	1 (1.8%)	14 (25.0%)	10 (17.9%)
	Environmental Engineering BS + MS	4		3 (75.0%)			1 (25.0%)
	Materials Science and Engineering	20		6 (30.0%)		7 (35.0%)	7 (35.0%)
	Mechanical Engineering	189		86 (45.5%)		42 (22.2%)	61 (32.3%)
	Mechanical Engineering BS + MS	4		3 (75.0%)			1 (25.0%)
	Aggregate Statistics	829	3 (0.4%)	380 (45.8%)	1 (0.1%)	187 (22.6%)	258 (31.1%)
	Bioengineering	89		62 (69.7%)		10 (11.2%)	17 (19.1%)

COHORT	ENTRY MAJOR	FRESHMAN COUNT	GRADUATED FROM BCQE	CONTINUING IN BCQE	GRADUATED FROM UCR	CONTINUING IN UCR	LOST FROM UCR
	Bioengineering BS + MS	2		1 (50.0%)			1 (50.0%)
	Business Informatics	11		2 (18.2%)		4 (36.4%)	5 (45.5%)
	Chemical Engineering	44		33 (75.0%)		2 (4.5%)	9 (20.5%)
	Chemical Engineering BS + MS	1					1 (100.0%)
	Computer Engineering	71		45 (63.4%)		9 (12.7%)	17 (23.9%)
	Computer Engineering BS + MS	1				1 (100.0%)	
	Computer Science	78		36 (46.2%)		14 (17.9%)	28 (35.9%)
	Electrical Engineering	56		36 (64.3%)		5 (8.9%)	15 (26.8%)
	Environmental Engineering	38		23 (60.5%)		6 (15.8%)	9 (23.7%)
	Environmental Engineering BS + MS	2		2 (100.0%)			
	Materials Science and Engineering	4		3 (75.0%)			1 (25.0%)
	Mechanical Engineering	143		89 (62.2%)		11 (7.7%)	43 (30.1%)
	Mechanical Engineering BS + MS	1		1 (100.0%)			
	Pre-Engineering	25		8 (32.0%)		3 (12.0%)	14 (56.0%)
	Aggregate Statistics	566		341 (60.2%)		65 (11.5%)	160 (28.3%)
2012							
	Bioengineering	103		82 (79.6%)		8 (7.8%)	13 (12.6%)
	Bioengineering BS + MS	3		3 (100.0%)			
	Business Informatics	11		7 (63.6%)			4 (36.4%)
	Chemical Engineering	65		52 (80.0%)		3 (4.6%)	10 (15.4%)
	Computer Engineering	69		52 (75.4%)		1 (1.4%)	16 (23.2%)
	Computer Engineering BS + MS	2		2 (100.0%)			
	Computer Science	75		58 (77.3%)		1 (1.3%)	16 (21.3%)
	Computer Science BS + MS	4		4 (100.0%)			
	Electrical Engineering	75		63 (84.0%)			12 (16.0%)
	Environmental Engineering	43		36 (83.7%)		1 (2.3%)	6 (14.0%)
	Environmental Engineering BS + MS	1		1 (100.0%)			

COHORT	ENTRY MAJOR	FRESHMAN COUNT	GRADUATED FROM BCOE	CONTINUING IN BCOE	GRADUATED FROM UCR	CONTINUING IN UCR	LOST FROM UCR
2013	Materials Science and Engineering	9		8 (88.9%)			1 (11.1%)
	Mechanical Engineering	144		112 (77.8%)		4 (2.8%)	28 (19.4%)
	Mechanical Engineering BS + MS	3		3 (100.0%)			
	Aggregate Statistics	607		483 (79.6%)		18 (3.0%)	106 (17.5%)
	Bioengineering	73		72 (98.6%)			1 (1.4%)
	Bioengineering BS + MS	5		5 (100.0%)			
	Business Informatics	12		11 (91.7%)			1 (8.3%)
	Chemical Engineering	60		56 (93.3%)			4 (6.7%)
	Chemical Engineering BS + MS	1		1 (100.0%)			
	Computer Engineering	69		68 (98.6%)			1 (1.4%)
	Computer Engineering BS + MS	2		2 (100.0%)			
	Computer Science	75		72 (96.0%)			3 (4.0%)
	Computer Science BS + MS	7		7 (100.0%)			
	Electrical Engineering	96		93 (96.9%)			3 (3.1%)
	Electrical Engineering BS + MS	1		1 (100.0%)			
	Environmental Engineering	48		48 (100.0%)			
	Materials Science and Engineering	28		28 (100.0%)			
	Mechanical Engineering	105		101 (96.2%)			4 (3.8%)
	Mechanical Engineering BS + MS	5		5 (100.0%)			
	Aggregate Statistics	587		570 (97.1%)		17 (2.9%)	
	Grand Total	4806	692	1974	384	411	1345

Freshman Four- and Six-Year Graduation In Some BCOE Major

COHORT	UCR ENTRY MAJOR	Count	Four-Year Graduates	Six-Year Graduates	All BCOE Grads
2005	Bioengineering	8	3 (37.5%)	1 (12.5%)	4 (50.0%)
	Chemical Engineering	34	4 (11.8%)	11 (32.4%)	17 (50.0%)
	Computer Engineering	56	6 (10.7%)	8 (14.3%)	15 (26.8%)
	Computer Science	45	9 (20.0%)	6 (13.3%)	17 (37.8%)
	Electrical Engineering	40	5 (12.5%)	9 (22.5%)	15 (37.5%)
	Engineering (Prep)	6	0 (0.0%)	0 (0.0%)	0 (0.0%)
	Environmental Engineering	10	2 (20.0%)	1 (10.0%)	3 (30.0%)
	Information Systems	5	1 (20.0%)	0 (0.0%)	1 (20.0%)
	Mechanical Engineering	90	25 (27.8%)	17 (18.9%)	43 (47.8%)
	Aggregate Statistics	294	55 (18.7%)	53 (18.0%)	115 (39.1%)
2006	Bioengineering	53	12 (22.6%)	6 (11.3%)	19 (35.8%)
	Chemical Engineering	19	8 (42.1%)	4 (21.1%)	12 (63.2%)
	Computer Engineering	81	10 (12.3%)	12 (14.8%)	24 (29.6%)
	Computer Science	67	10 (14.9%)	9 (13.4%)	19 (28.4%)
	Electrical Engineering	38	6 (15.8%)	9 (23.7%)	16 (42.1%)
	Environmental Engineering	23	6 (26.1%)	3 (13.0%)	10 (43.5%)
	Information Systems	7	0 (0.0%)	2 (28.6%)	2 (28.6%)
	Mechanical Engineering	109	19 (17.4%)	24 (22.0%)	44 (40.4%)
	Aggregate Statistics	397	71 (17.9%)	69 (17.4%)	146 (36.8%)
2007	Bioengineering	47	15 (31.9%)	7 (14.9%)	22 (46.8%)
	Chemical Engineering	34	8 (23.5%)	6 (17.6%)	14 (41.2%)
	Computer Engineering	57	8 (14.0%)	9 (15.8%)	17 (29.8%)
	Computer Science	68	10 (14.7%)	18 (26.5%)	28 (41.2%)
	Electrical Engineering	37	7 (18.9%)	7 (18.9%)	14 (37.8%)
	Environmental Engineering	15	1 (6.7%)	4 (26.7%)	5 (33.3%)
	Information Systems	11	0 (0.0%)	1 (9.1%)	1 (9.1%)

Department	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2433	2434	2435	2436	2437	2438	2439	2440	2441	2442	2443	2444	2445	2446	2447	2448	2449	2450	2451	2452	2453	2454	2455	2456	2457	2458	2459	2460	2461	2462	2463	2464	2465	2466	2467	2468	2469	2470	2471	2472	2473	2474	2475	2476	2477	2478	2479	2480	2481	2482	2483	2484	2485	2486	2487	2488	2489	2490	2491	2492	2493	2494	2495	2496	2497	2498	2499	2500	2501	2502	2503	2504	2505	2506	2507	2508	2509	2510	2511	2512	2513	2514	2515	2516	2517	2518	2519	2520	2521	2522	2523	2524	2525	2526	2527	2528	2529	2530	2531	2532	2533	2534	2535	2536	2537	2538	2539	2540	2541	2542	2543	2544	2545	2546	2547	2548	2549	2550	2551	2552	2553	2554	2555	2556	2557	2558	2559	2560	2561	2562	2563	2564	2565	2566	2567	2568	2569	2570	2571	2572	2573	2574	2575	2576	2577	2578	2579	2580	2581	2582	2583	2584	2585	2586	2587	2588	2589	2590	2591	2592	2593	2594	2595	2596	2597	2598	2599	2600	2601	2602	2603	2604	2605	2606	2607	2608	2609	2610	2611	2612	2613	2614	2615	2616	2617	2618	2619	2620	2621	2622	2623	2624	2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2635	2636	2637	2638	2639	2640	2641	2642	2643	2644	2645	2646	2647	2648	2649	2650	2651	2652	2653	2654	2655	2656	2657	2658	2659	2660	2661	2662	2663	2664	2665	2666	2667	2668	2669	2670	2671	2672	2673	2674	2675	2676	2677	2678	2679	2680	2681	2682	2683	2684	2685	2686	2687	2688	2689	2690	2691	2692	2693	2694	2695	2696	2697	2698	2699	2700	2701	2702	2703	2704	2705	2706	2707	2708	2709	2710	2711	2712	2713	2714	2715	2716	2717	2718	2719	2720	2721	2722	2723	2724	2725	2726	2727	2728	2729	2730	2731	2732	2733	2734	2735	2736	2737	2738	2739	2740	2741	2742	2743	2744	2745	2746	2747	2748	2749	2750	2751	2752	2753	2754	2755	2756	2757	2758	2759	2760	2761	2762	2763	2764	2765	2766	2767	2768	2769	2770	2771	2772	2773	2774	2775	2776	2777	2778	2779	2780	2781	2782	2783	2784	2785	2786	2787	2788	2789	2790	2791	2792	2793	2794	2795	2796	2797	2798	2799	2800	2801	2802	2803	2804	2805	2806	2807	2808	2809	2810	2811	2812	2813	2814	2815	2816	2817	2818	2819	2820	2821	2822	2823	2824	2825	2826	2827	2828	2829	2830	2831	2832	2833	2834	2835	2836	2837	2838	2839	2840	2841	2842	2843	2844	2845	2846	2847	2848	2849	2850	2851	2852	2853	2854	2855	2856	2857	2858	2859	2860	2861	2862	2863	2864	2865	2866	2867	2868	2869	2870	2871	2872	2873	2874	2875	2876	2877	2878	2879	2880	2881	2882	2883	2884	2885	2886	2887	2888	2889	2890	2891	2892	2893	2894	2895	2896	2897	2898	2899	2900	2901	2902	2903	2904	2905	2906	2907	2908	2909	2910	2911	2912	2913	2914	2915	2916	2917	2918	2919	2920	2921	2922	2923	2924	2925	2926	2927	2928	2929	2930	2931	2932	2933	2934	2935	2936	2937	2938	2939	2940	2941	2942	2943	2944	2945	2946	2947	2948	2949	2950	2951	2952	2953	2954	2955	2956	2957	2958	2959	2960	2961	2962	2963	2964	2965	2966	2967	2968	2969	2970	2971	2972	2973	2974	2975	2976	2977	2978	2979	2980	2981	2982	2983	2984	2985	2986	2987	2988	2989	2990	2991	2992	2993	2994	2995	2996	2997	2998	2999	3000
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Size of Graduating Class

MAJOR	Totals	Graduation Year										
		2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	
Bioengineering	167				6	19	18	28	37	59		
Bioengineering BS + MS	13						5	3	2	3		
Business Informatics	7							1	2	4		
Chemical Engineering	187	12	16	18	20	15	24	18	24	40		
Chemical Engineering BS + MS	6						4			2		
Computer Engineering	185	29	15	21	28	14	19	16	19	24		
Computer Science	453	95	93	54	47	34	34	23	43	28	2	
Computer Science BS + MS	6						1	2		3		
Electrical Engineering	340	38	54	44	49	34	26	34	25	34	2	
Electrical Engineering BS + MS	5							1	4			
Environmental Engineering	92	4	8	3	10	6	8	12	11	29	1	
Information Systems	94	22	24	9	10	8	8	10	3			
Materials Science and Engineering	18						1	6	6	5		
Mechanical Engineering	495	22	48	65	48	44	55	63	68	80	2	
Mechanical Engineering BS + MS	8							5	2	1		
BCOE Total	2076	222	258	214	218	174	203	222	246	312	7	

CURRENT YEAR	MAJOR ENTERED	MAJOR EXITED																	Total In					
		Bio Engineering BS + MS	Bio Engineering BS + MS	Business Informatics	CHASS Engineering	Chemical Engineering BS + MS	CMAS	Computer Engineering BS + MS	Computer Science BS + MS	Computer Science BS + MS	Electrical Engineering BS + MS	Electrical Engineering BS + MS	Engineering (Prep)	Engineering (Undeclared)	Environmental Engineering	Environmental Engineering + MS	Information Systems	Materials Science and Engineering		Mechanical Engineering BS + MS	Pre Engineering			
2006	Bioengineering	0			5		7	1							1				2		13			
	Chemical Engineering				0											1					7			
	Computer Engineering			3			4	0						3			1				7			
	Electrical Engineering			4			1	5			0			4			1				11			
	Engineering (Undeclared)	1			6		1	16					4	0	5		1		5	1	21			
	Environmental Engineering					3			13					0			1		11		62			
	Information Systems			1										1							5			
	Mechanical Engineering			1				3						1			0				7			
	TOTAL	1	0	0	9	13	0	27	25	0	23	0	7	0	4	19	6	0	3	0	18	0	1	21
	2007	Bioengineering	0					5	2													6		
Chemical Engineering					0			2							2						10			
Computer Engineering				1			1	0		2											3			
Computer Science							2	3		0											8			
Electrical Engineering							2	3		2											7			
Engineering (Prep)		2					2	2		3					1						8			
Engineering (Undeclared)		6			1		1	12		7		6		0	3		1				53			
Environmental Engineering				1																	3			
Information Systems				1				2		4											7			
TOTAL		10	0	0	5	2	0	19	24	0	19	0	6	0	0	3	6	0	2	0	19	0	0	9
2008	Bioengineering	0					3	1													5			
	Business Informatics			0			1	1													7			
	Chemical Engineering						4	1													5			
	Computer Engineering						2	0		2											7			
	Computer Science						3	1		0											4			
	Electrical Engineering				1		3	1		1											9			
	Engineering (Prep)	4					5	3		1											16			
	Engineering (Undeclared)				6			10		6		3		0	3		2		1		42			
	Environmental Engineering	11			12			19		20		5		1	0	3		3		3	15			
	TOTAL	15	0	0	11	21	0	31	34	0	33	0	12	0	4	11	5	0	2	5	32	0	0	16
2009	Bioengineering	0					7														16			
	Business Informatics	5		0						1											5			
	Chemical Engineering						7	1		1											5			
	Chemical Engineering BS + MS				4		0			1											4			
	Computer Engineering						4	3		0											5			
	Computer Science						1			2											4			
	Computer Science BS + MS						2	0		2											5			
	Electrical Engineering						1	3		2											11			
	Electrical Engineering BS + MS																				2			
	Engineering (Prep)	2		2				2		1											7			
Engineering (Undeclared)	8		1	5			11		14		9		0	1	1					16				
Environmental Engineering	1					5	1													26				
Environmental Engineering BS + MS																				9				
Information Systems			2						1												3			
Materials Science and Engineering							1														0			
Mechanical Engineering	1			2	1			1													3			
Mechanical Engineering BS + MS							4														4			
TOTAL	17	0	5	7	13	0	30	23	0	23	1	14	0	16	5	5	0	1	1	30	0	0	0	
2010	Bioengineering	0					17														23			
	Bioengineering BS + MS	4		0						1											4			
	Business Informatics						1	3													5			
	Chemical Engineering	4					1	3													24			
	Chemical Engineering BS + MS			1	2	0	1	10													5			
	Computer Engineering																				0			
	Computer Science			1			3	5		3		1									5			
	Computer Science BS + MS			1			3			2											15			
	Electrical Engineering			1				4													3			
	Electrical Engineering BS + MS	1																			0			
Engineering (Prep)																				2				
Engineering (Undeclared)	4		1		3		5				2		0	3		2				17				
Environmental Engineering																				11				
Environmental Engineering BS + MS																				0				
Information Systems																					0			
Materials Science and Engineering							2														3			
Mechanical Engineering				6			4	3													0			
Mechanical Engineering BS + MS																					2			
TOTAL	13	3	6	15	9	1	44	25	0	22	0	8	3	13	7	14	4	1	1	29	2	0	6	

CURRENT YEAR	MAJOR ENTERED	MAJOR EXITED																	Pre Engineering	Total In	
		Bio Engineering BS + MS	Bio Engineering BS + MS	Business Informatics	CHASS	Chemical Engineering	Chemical Engineering BS + MS	Computer Engineering	Computer Engineering BS + MS	Computer Science	Computer Science BS + MS	Electrical Engineering BS + MS	Electrical Engineering (Prep)	Engineering (Undeclared)	Environmental Engineering	Environmental Engineering BS + MS	Information Systems	Materials Science and Engineering			Mechanical Engineering BS + MS
2011	Bioengineering	0	2		2	2	10				1	1	1					1		19	
	Bioengineering BS + MS	3	0			1		2											3	6	
	Business Informatics			0		1	8		2					1	2			2	16		
	Chemical Engineering					0			1										0	4	
	Computer Engineering				1		1	0	1											0	
	Computer Engineering BS + MS								0											0	
	Computer Science	2			5	1	9	11	0	1	4		2					2		37	
	Computer Science BS + MS									0										0	
	Electrical Engineering	3			1	1	4	6		1	0	1		1						18	
	Electrical Engineering BS + MS										4	0								4	
	Engineering (Prep)							2	2	2	1	0								13	
	Engineering (Undeclared)	17		1	1	1	6	16	10		2	0	2	0	1	3		5	14	2	
	Environmental Engineering									1										12	
	Environmental Engineering BS + MS															0				0	
	Information Systems																0			0	
	Materials Science and Engineering				1	2	1						1					0	1	6	
	Mechanical Engineering	2			3		5	2			1		5		3			1	0	1	24
	Mechanical Engineering BS + MS																			2	0
Pre-Engineering	1		1		1				2											0	
TOTAL	30	2	2	14	19	45	39	1	20	13	1	12	2	16	3	0	1	31	1	9	
2012	Bioengineering	0			6	1	17			1		1								28	
	Bioengineering BS + MS	3	0																	3	
	Business Informatics	2		0	2		1		1											7	
	Chemical Engineering	1			2	0	13	1						5						22	
	Chemical Engineering BS + MS					2	0													2	
	Computer Engineering				1				2	1	2									10	
	Computer Engineering BS + MS						1	0												1	
	Computer Science	1			2		5	5	0	1	2							1		20	
	Computer Science BS + MS									4	0									4	
	Electrical Engineering	1			4		3	2			0		3					2		17	
	Electrical Engineering BS + MS																			0	
	Engineering (Prep)							1					0	1				1		4	
	Engineering (Undeclared)	8				3		3		6		1		0				1	10	40	
	Environmental Engineering				2		3	1							0				2	8	
	Environmental Engineering BS + MS															0				0	
	Materials Science and Engineering	4			2		1				1							0		8	
	Mechanical Engineering	1			3		10	3			1			2				1	0	3	26
	Mechanical Engineering BS + MS																	0		1	
Pre-Engineering	2			1	1	1	3	2		2							1	4	15		
TOTAL	23	0	0	24	7	55	20	2	14	16	0	7	0	9	0	0	2	21	2	13	
2013	Bioengineering	0	1															1		2	
	Bioengineering BS + MS																			0	
	Business Informatics			0																0	
	Chemical Engineering				1	0			1											2	
	Chemical Engineering BS + MS						0													0	
	Computer Engineering					1		0	1											2	
	Computer Engineering BS + MS							0												0	
	Computer Science				3		1	2	0	0	2									0	
	Computer Science BS + MS									0										0	
	Electrical Engineering							1												0	
	Electrical Engineering BS + MS									0										0	
	Engineering (Prep)																			0	
	Engineering (Undeclared)	2				2		2			2							2		13	
	Environmental Engineering																			0	
	Environmental Engineering BS + MS															0				0	
	Materials Science and Engineering																	0		0	
	Mechanical Engineering	1					2	1			1							0	1	6	
	Mechanical Engineering BS + MS																			0	
Pre-Engineering	1						2		3	2								0	0	17	

**Special Program Allocations
FY 13/14**

Department/Program	Summer Session	Non-Supported MS Student NRG Return (estimated)	UNEX GPP-E Program	Total Special Program Allocations	FY 13/14 Proposed TA Allocations 30% Incoming PHD Students	Special Program Allocations as a % of Proposed TA Allocations
Bioengineering	-	6,042	-	6,042	184,905	3.27%
Chemical & Environmental	1,918	-	24,134	26,052	309,157	8.43%
Computer Engineering	-	24,162	-	24,162	-	-
Computer Science	40,471	66,450	12,067	118,988	631,768	18.83%
Electrical Engineering	14,155	48,327	32,179	94,661	325,614	29.07%
Mechanical Engineering	6,960	12,081	12,067	31,108	305,341	10.19%
Materials Science & Engineering	-	-	24,134	24,134	77,657	31.08%
Total	63,504	157,062	104,581	325,147	1,834,442	17.72%

**TA Allocation Funding Model
FY 2013-14**

EC&E Dept	2012-13				FY 2013-14				Option 1: PhD only		Option 2: PhD & Non MS		Current Model
	Final TA Allocations 30% Incoming MS & PhD Students		Incoming PhD & MS Students		Incoming PhD & Dem MS		Undergrad Workload FTE		2013-14		2013-14		
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total	Final TA Allocations 30% Incoming PhD Students Only	Final TA Allocations 30% Incoming PhD & Non MS Students	Final TA Allocations 30% Incoming PhD & Non MS Students	Final TA Allocations 30% Incoming MS & PhD Students	
BIEN	16	16%	31	18%	30	21%	102.56	8%	184,905	211,641	211,641	195,175	
CEE	25	24%	30	17%	30	21%	173.80	15%	309,157	289,299	289,299	272,736	
CSE	19	18%	41	24%	28	19%	564.60	43%	631,768	635,668	635,668	660,513	
EE	21	20%	34	20%	24	16%	207.66	16%	325,614	304,551	304,551	322,363	
ME	7	7%	19	11%	17	12%	268.40	20%	305,341	311,191	311,191	328,006	
MS&E	15	15%	17	10%	17	12%	0.00	0%	77,657	62,091	62,091	52,765	
Total	103	100%	172	100%	146	100%	1,317.02	100%	1,834,442	1,834,442	1,834,442	1,834,442	

Dean's Ofc (10% of Total)

Weighted Average:

Incoming PHD Students: 0.30

Undergraduate Workload FTE 0.70

Total Proposed FY 2013-14 TA Funds Available: 1,777,493

MSE Grad Student Supplement 5,177 per incoming MSE PHD student