

# Chairs' & Center Directors' Meeting Minutes

**Date:** January 10, 2014 (12:00 to 2:00 pm)

**Location:** WCH – Room 443

**Attendees:** Abbaschian, Reza  
Aguilar, Guillermo  
Balandin, Alex  
Barth, Matt  
Bhanu, Bir  
Bhuyan, Laxmi  
Boretz, Mitch  
Farrell, Jay  
Haddon, Robert  
Hartney, Pat  
Matsumoto, Mark  
Myung, Nosang  
Najjar, Walid  
Ravi  
Rodgers, Victor  
Vafai, Kambiz  
Wang, Albert

**Absent:** Garay, Javier  
Tan, Sheldon

The agenda for the meeting is shown in Appendix 1.

## **1. Welcome and call for agenda items - Reza**

No items were added to the agenda

## **2. Approval of Minutes - Pat**

The minutes of the December 16<sup>th</sup> Chairs/Directors meeting were unanimously approved.

## **3. Executive Vice Chancellor & Provost Search – Sharon Walker**

Sharon is a member of the EVC/P Search Committee. Isaacson & Miller (I&M) have been hired to run the search. The Chancellor wants to have the new EVC/P in place by 7/1/14. I&M is soliciting candidate names and hopes to have a shortlist by early February. Sharon asked that potential candidate names be sent to I&M through her within the next 1-2 weeks. All nominations will be kept confidential. The Chancellor is open to any discipline but expects the successful candidate to have campus-level experience (i.e., Dean, Vice Chancellor, etc). The Chancellor is particularly interested in external (UC and non-UC) candidates although the search is open to internal (UCR) candidates. The Chancellor hopes that external candidates can be interviewed in mid-late February.

#### **4. Faculty Recruitment Updates - Chairs**

CEE: Nosang stated that there are nine candidates for the department's junior faculty recruitment. He expects that 5-6 candidates will be invited for campus visits in mid-late February. The department is trying to identify qualified candidates for the senior faculty recruitment since no viable candidates have applied to date. Also, CEE has invited Harvey Blanch, who is retiring from UCB, to give a Distinguished Speaker seminar on 1/31/14.

ME: Guillermo reported that a total of 202 applications have been received for the junior (169) and senior (33) faculty recruitments. The search committee met yesterday. It appears that 2 of the 17 candidates that fit the environmental faculty recruitment will be interviewed via Skype. Candidates for the materials characterization position are still being reviewed.

CSE: Laxmi stated that the department has received 250 applications for its two positions. About 35 applicants have been shortlisted. The department expects to interview five candidates for each of the two positions starting by the end of February. One senior candidate will be invited to campus. Also, Laxmi circulated posters that listed this year's speakers for the CSE Distinguished Speaker series.

CEN: Walid mentioned that there are 18 applications for the CEN senior faculty position. About 12 of these applicants meet qualifications and about 3-4 are possible interview candidates. On a related topic, it was noted that honorariums for invited speakers are \$500 in BCOE. Linda Parker is trying to find corporate sponsorship that would provide higher honorarium amounts for invited speakers.

EE: Jay stated that each of EE's two junior faculty recruitments has 105 applicants. The search committees are working to consolidate shortlists. There are several good candidates for each position. Initial shortlist candidates will be interviewed via Skype. About 2-3 candidates for each position will be invited to campus.

CE-CERT: Matt stated that CE-CERT met with UCR Medical School representatives before the holidays and that three Medical School members will participate on the search for the joint CE-CERT/Med School professional researcher.

#### **5. Budget Requests – Pat**

Pat reminded participants that BCOE needs to submit an update to its 3-year budget proposal to the campus by 1/31/14. Updates will be needed for BCOE's resource request and for its academic plan. As such, Pat requested departments to submit any needed updates or requests for additional staff to him by next Friday (1/17/14). Also, Reza asked Chairs to review and update if needed the requests for new faculty that were included in BCOE's proposal. Reza stated that BCOE received eight new faculty FTE this year of the total 36 requested (over 3 years). BCOE's proposal update will request the remaining 28 faculty FTE.

#### **6. Faculty Directory/Web Pages – Pat**

Pat distributed copies of UCR, BCOE and department faculty web pages for a selected faculty member from each BCOE department. Pat has received notification that the current UCR Faculty Directory will be retired in about 4-6 weeks and will be replaced by a contact listing only. At the same time, internet searches for UCR faculty will be directed to department webpages. As such, it is an appropriate time to revise BCOE and department faculty webpages. After discussion, it was decided to limit BCOE faculty webpages to contact information only. Department webpages for faculty would copy this same contact information but add descriptions of research areas for each faculty member. Both BCOE and department webpages would include links to faculty personal (or lab) webpages. Therefore, it is important that these personal/lab webpages be kept

current (with recent publications, contract/grant awards, etc). Pat will provide sample BCOE and department webpages using this new format for one department at the next Chairs/Directors meeting.

### **7. Research Awards – Mark**

Mark distributed the latest comparison of the numbers of grad student applications started and submitted between Fall 2013 and Fall 2014 by BCOE program. He noted that the total number of BCOE grad student applications that were started increased by about 10% this year. However, the number of applications submitted has declined by about 3%. BCOE is the only UCR college/school with fewer applications submitted this year compared to the previous year. He noted that recommendations for offers for some BCOE programs need to be submitted to the Grad Division starting next week. He emphasized that offers to domestic students need to be submitted first.

Also, Mark distributed FY 2011 to FY 2014 (to date) comparisons of the numbers and dollar amounts of proposals submitted by BCOE department/center. These comparisons also include the number of proposals and dollar amounts per number of department faculty. Additionally, Mark distributed FY 2011 to FY 2014 (to date) comparisons of the numbers and dollar amounts of contract/grant awards by BCOE department/center. These comparisons also include the number of awards and dollar amounts per number of department faculty. Mark noted that the numbers of awards do not include no-cost extensions, etc. In response to a question from Victor, Mark stated that joint awards that are administered through a non-BCOE department/center are not included in these comparisons and would need to be added manually. Mark offered to provide listings of proposals and awards by department faculty members to the Chairs.

### **8. PhD Award – Reza**

Reza distributed a summary of BCOE's PhD Reward program awards from AY 2007 to AY 2012. A total of \$950K has been awarded to BCOE faculty for their support of PhD graduates over this period. Between 21 and 33 faculty have received these awards each year. The maximum PhD award amounts have ranged from \$4,500 to \$7,250 over this six year period. Reza announced that he is authorizing about \$150K for AY 2013 PhD graduates. Announcements to BCOE faculty will be sent out next week.

### **9. Undergraduate Targets - Ravi**

Ravi called attention to two attachments to the agenda. The first one presents potential BCOE freshmen targets for Fall 2014. These targets were based on 2013 and 2014 initial program targets but are adjusted according to the proportion of 2014 applications per program. Ravi noted that these targets do not include non-resident applications. There were 16 non-resident freshmen that enrolled last year in BCOE. Victor and Laxmi stated that they OK with their program targets of 45 and 60 respectively. This attachment also includes undergraduate to faculty ratios for each BCOE department. The ratios range from 18.2 (EE) to 33.5 (ME). BCOE's overall undergrad to faculty ratio of 25.7 is high compared to other UC colleges of engineering. The second attachment compares Instructional FTE, TA, Undergrad Headcount and BS, MS and PhD degrees between UCLA's College of Engineering and BCOE. UCLA's College of Engineering's undergrad headcount per faculty FTE is 19.1 compared to 23.7 for BCOE. BCOE's PhD/faculty FTE ratio is .71 compared to UCLA's ratio of .98. Also, Ravi distributed two handouts. The first one lists the number of BCOE freshmen on probation by their incoming AIS score range. The percentage of students on probation with AIS scores in the 4000 was 14% compared to 2% for students with AIS scores in the 4600 range. The second handout provides preliminary estimates of BCOE program incoming freshmen enrollments by AIS score cutoffs of 4200 and 4000. Ravi noted that AIS scores (which reflects college preparation) is the best determinant of academic success in BCOE.

#### **10. Carlsbad Space Opportunity – Reza**

Reza reminded participants that the City of Carlsbad is interested in leasing a vacant 126,000sf building to an academic institution. Reza asked Chairs and Directors to send him potential activities that could utilize this building, if they haven't done so already. Potential programs could include partnerships with CSU or community colleges, on-line degree programs, research labs, etc. Reza will plan a trip to this Carlsbad building for interested faculty in about one month. Reza will make a more detailed presentation at the next Chairs/Directors meeting.

#### **11. EE Name Change – Reza**

Reza reported that the department of Electrical Engineering (EE) has requested to change its name to the department of Electrical and Computer Engineering (ECE). A BCOE faculty committee has reviewed this request and forwarded a positive recommendation to BCOE's Executive Committee. The name change was recently approved by the Executive Committee. Reza plans to forward this recommendation to the Provost. EE believes that this name change will lead to enhanced recognition and additional Computer Engineering faculty hires in the department.

#### **12. Laptop Requirement – Pat**

Pat mentioned that BCOE's proposed laptop requirement is making progress. ME and BIEN are piloting courses that utilize software programs that are loaded onto student laptops. The campus is providing funds for student workers to help implement this pilot. Also, C&C plans to enhance wifi coverage in selected BCOE locations. BCOE is being encouraged to submit proposals for Student Technology Fee funding for a new VPN server and needed software licenses.

#### **13. Center Updates**

Bir noted that CRIS is participating in a large (\$15M) facial recognition proposal with Honeywell and 5-6 other academic institutions. He expects a response to this proposal in three months. Alex added that his DOE proposal has been submitted.

#### **8. Other Matters**

No other topics were discussed.



# Chairs' & Center Directors' Meeting

January 10, 2014

## Agenda

Winston Chung Hall – Room 443

- |   |               |
|---|---------------|
| 1. Welcome - Request for Agenda Items from the Floor  | Reza          |
| 2. Approval of Minutes from December 16, 2013 Meeting | Pat           |
| 3. Executive Vice Chancellor & Provost Search         | Sharon Walker |
| 4. Faculty Recruitment Updates                        | Chairs        |
| 5. Budget Requests                                    | Pat           |
| 6. Faculty Directory/Web Pages                        | Pat           |
| 7. Research Awards                                    | Mark          |
| 8. PhD Award  | Reza          |
| 9. Undergraduate Targets                              | Ravi          |
| 10. Carlsbad Space Opportunity                        | Reza          |
| 11. EE Name Change                                    | Reza          |
| 12. Laptop Requests                                   | Pat           |
| 13. Center Updates                                    | Directors     |
| 14. Other Matters                                     |               |

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## 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



*Executive Vice Chancellor and Provost  
University of California, Riverside*

The University of California, Riverside (UC Riverside or UCR), one of ten campuses in the world-renowned University of California System, seeks an Executive Vice Chancellor and Provost (Provost).

Recognized for its academic impact, UC Riverside enrolls more than 21,000 students and was ranked in 2013 by *US News and World Report* as 46th overall among public universities; Washington Monthly ranks UCR number two in the country for contributing to the public good. UCR is home to seven schools and colleges: the Bourns College of Engineering, the College of Humanities, Arts & Social Sciences, the College of Natural & Agricultural Sciences, the School of Business Administration, the Graduate School of Education, the School of Medicine, and the School of Public Policy. Twenty-seven UCR departments were evaluated in the 2010 National Research Council assessment of doctoral programs, with eight in the top 25 percent nationally and an additional six in the top third.

The Provost reports directly to the Chancellor. S/he serves as the chief academic officer for the campus, providing vigorous academic leadership to the entire university, managing day-to-day operations of the campus, and serving as a member of the campus leadership team. In the Chancellor's absence, the Provost serves as the chief executive officer of the University. The Provost is responsible for implementation of the campus strategic plan, UCR 2020: The Path to Preeminence. She/he will help articulate and implement an aspirational vision for the University of California, Riverside, and its role in the state of California, the nation, and world.

The Provost must have an enduring commitment to achieving excellence through diversity of faculty, students, staff, and ideas. In addition, she/he must have a stellar record of scholarly achievement. While leading UCR in advancing its position within the UC system and among research universities globally, the Provost will address a set of key opportunities and challenges, focused on enhancing and executing UCR's academic vision; continuing to build and strengthen the campus's diverse and inclusive community; enhancing UCR's already strong research profile; recruiting, retaining, and developing an increasingly distinguished faculty; further strengthening the undergraduate and graduate student experience; fostering a culture that is entrepreneurial, creative, and transparent; and serving as an effective advocate and external ambassador.

UC Riverside has retained Isaacson, Miller, a national executive search firm, to assist in this search. Confidential inquiries, nominations, and referrals can be sent to:



ISAACSON, MILLER

David Bellshaw, Bernard R. Jones, and Cati Mitchell

[ucrprovost@imsearch.com](mailto:ucrprovost@imsearch.com)

MS/PHD - DOMESTIC + INTERNATIONAL

Program	Apps Started			Apps Submitted			Submit/Start	
	Fall 2013	Fall 2014	%Diff	Fall 2013	Fall 2014	%Diff	Fall 2013	Fall 2014
BIEN	157	170	8%	111	111	0%	71%	65%
CEE	246	244	-1%	189	184	-3%	77%	75%
CEN	60	91	52%	31	48	55%	52%	53%
CPSC	785	894	14%	587	563	-4%	75%	63%
ELEN	720	724	1%	551	498	-10%	77%	69%
MSE	147	173	18%	112	125	12%	76%	72%
MCEN	178	218	22%	130	132	2%	73%	61%
BCOE	2293	2514	10%	1711	1661	-3%	75%	66%

MS/PHD - DOMESTIC ONLY

Program	Apps Started			Apps Submitted			Submit/Start	
	Fall 2013	Fall 2014	%Diff	Fall 2013	Fall 2014	%Diff	Fall 2013	Fall 2014
BIEN	89	91	2%	65	62	-5%	73%	68%
CEE	65	74	14%	51	58	14%	78%	78%
CEN	9	9	0%	5	4	-20%	56%	44%
CPSC	81	85	5%	63	67	6%	78%	79%
ELEN	72	57	-21%	55	39	-29%	76%	68%
MSE	30	30	0%	24	22	-8%	80%	73%
MCEN	41	59	44%	35	47	34%	85%	80%
BCOE	387	405	5%	298	299	0%	77%	74%

MS/PHD - INTERNATIONAL ONLY

Program	Apps Started			Apps Submitted			Submit/Start	
	Fall 2013	Fall 2014	%Diff	Fall 2013	Fall 2014	%Diff	Fall 2013	Fall 2014
BIEN	68	79	16%	46	49	7%	68%	62%
CEE	181	170	-6%	138	126	-9%	76%	74%
CEN	51	82	61%	26	44	69%	51%	54%
CPSC	704	809	15%	524	496	-5%	74%	61%
ELEN	648	667	3%	496	459	-7%	77%	69%
MSE	117	143	22%	88	103	17%	75%	72%
MCEN	137	159	16%	95	85	-11%	69%	53%
BCOE	1906	2109	11%	1413	1362	-4%	74%	65%

**NUMBER OF PROPOSALS SUBMITTED BY UNIT**

<b>Unit Submitting</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	46	43	44	27
CE-CERT	91	113	58	32
Chemical/Environ. Engineering	50	50	72	28
Computer Science & Engineering	51	58	59	19
Ctr for Nano Sci & Engr	2	1	3	1
Ctr for Res in Intelligent Sys	4	3	7	1
Electrical Engineering	57	60	76	38
Engineering - Dean's Office	5	5	2	3
Mechanical Engineering	23	39	27	14
<b>Grand Total</b>	<b>329</b>	<b>372</b>	<b>348</b>	<b>163</b>

**NUMBER OF PROPOSALS SUBMITTED BY PI AFFILIATION**

<b>PI Affiliation</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	46	43	44	27
CE-CERT	50	59	34	17
Chemical/Environ. Engineering	71	72	90	39
Computer Science & Engineering	56	63	61	20
Electrical Engineering	79	92	90	43
Mechanical Engineering	27	43	29	15
Special				1
WCGEC				1
<b>Grand Total</b>	<b>329</b>	<b>372</b>	<b>348</b>	<b>163</b>

**FACULTY HEADCOUNT**

<b>Dept</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	9	11	12	12
Chemical/Environ. Engineering	14	13	16	17
Computer Science & Engineering	21	22	23	23
Electrical Engineering	24	22	23	24
Mechanical Engineering	15	15	15	16
<b>BCOE</b>	<b>83</b>	<b>83</b>	<b>89</b>	<b>92</b>

**AVERAGE NUMBER OF PROPOSALS PER FACULTY MEMBER**

<b>Dept</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	5.1	3.9	3.7	2.3
Chemical/Environ. Engineering	5.1	5.5	5.6	2.3
Computer Science & Engineering	2.7	2.9	2.7	0.9
Electrical Engineering	3.3	4.2	3.9	1.8
Mechanical Engineering	1.8	2.9	1.9	0.9
<b>BCOE</b>	<b>4.0</b>	<b>4.5</b>	<b>3.9</b>	<b>1.8</b>



**PROPOSAL FUNDING REQUESTED BY UNIT**

<b>Unit Submitting</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	\$23,446,364	\$17,245,228	\$24,962,235	\$15,404,861
CE-CERT	\$22,005,000	\$44,039,963	\$15,757,828	\$8,310,927
Chemical/Environ. Engineering	\$40,948,045	\$18,337,804	\$15,440,521	\$9,389,111
Computer Science & Engineering	\$27,168,917	\$29,254,761	\$22,834,812	\$10,999,990
Ctr for Nano Sci & Engr	\$9,251,447	\$48,498	\$1,180,555	\$1,045,812
Ctr for Res in Intelligent Sys	\$1,425,000	\$3,912,285	\$4,016,112	\$3,130,011
Electrical Engineering	\$23,556,226	\$25,983,879	\$27,559,692	\$14,453,613
Engineering - Dean's Office	\$5,649,370	\$306,311	\$2,154,990	\$535,761
Mechanical Engineering	\$7,516,422	\$16,733,076	\$6,176,375	\$6,383,374
<b>Grand Total</b>	<b>\$160,966,791</b>	<b>\$155,861,805</b>	<b>\$120,083,120</b>	<b>\$69,653,460</b>

**PROPOSAL FUNDING REQUESTED BY PI AFFILIATION**

<b>PI Affiliation</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	\$23,446,364	\$17,245,228	\$24,962,235	\$15,404,861
CE-CERT	\$14,615,452	\$18,641,583	\$6,456,149	\$4,501,099
Chemical/Environ. Engineering	\$55,002,007	\$29,793,814	\$23,845,953	\$13,593,696
Computer Science & Engineering	\$32,818,287	\$29,561,072	\$24,989,802	\$11,040,733
Electrical Engineering	\$27,376,898	\$43,494,556	\$33,216,048	\$18,139,824
Mechanical Engineering	\$7,707,783	\$17,125,552	\$6,612,933	\$6,478,229
Special				\$360,018
WCGEC				\$135,000
<b>Grand Total</b>	<b>\$160,966,791</b>	<b>\$155,861,805</b>	<b>\$120,083,120</b>	<b>\$69,653,460</b>

**FACULTY HEADCOUNT**

<b>Dept</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	9	11	12	12
Chemical/Environ. Engineering	14	13	16	17
Computer Science & Engineering	21	22	23	23
Electrical Engineering	24	22	23	24
Mechanical Engineering	15	15	15	16
<b>BCOE</b>	<b>83</b>	<b>83</b>	<b>89</b>	<b>92</b>

**AVERAGE PROPOSAL FUNDING REQUESTED PER FACULTY MEMBER**

<b>Dept</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	\$2,605,152	\$1,567,748	\$2,080,186	\$1,283,738
Chemical/Environ. Engineering	\$3,928,715	\$2,291,832	\$1,490,372	\$799,629
Computer Science & Engineering	\$1,562,776	\$1,343,685	\$1,086,513	\$480,032
Electrical Engineering	\$1,140,704	\$1,977,025	\$1,444,176	\$755,826
Mechanical Engineering	\$513,852	\$1,141,703	\$440,862	\$404,889
<b>BCOE</b>	<b>\$1,939,359</b>	<b>\$1,877,853</b>	<b>\$1,349,249</b>	<b>\$757,103</b>

**NUMBER OF AWARDS BY UNIT**

<b>Unit</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	7	9	5	3
CE-CERT	55	56	37	24
Chemical/Environ. Engineering	28	17	21	23
Computer Science & Engineering	28	31	25	17
Ctr for Nano Sci & Engr	5	3	3	2
Ctr for Res in Intelligent Sys	2	7	4	4
Electrical Engineering	43	55	39	21
Engineering - Dean's Office	2	4	3	1
Mechanical Engineering	11	20	19	7
<b>Grand Total</b>	<b>181</b>	<b>202</b>	<b>156</b>	<b>102</b>

**NUMBER OF AWARDS BY PI AFFILIATION**

<b>PI Affiliation</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	7	9	5	3
CE-CERT	25	26	17	9
Chemical/Environ. Engineering	45	32	31	31
Computer Science & Engineering	30	35	28	18
Electrical Engineering	61	77	53	34
Mechanical Engineering	13	23	22	7
<b>Grand Total</b>	<b>181</b>	<b>202</b>	<b>156</b>	<b>102</b>

**FACULTY HEADCOUNT**

<b>Dept</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	9	11	12	12
Chemical/Environ. Engineering	14	13	16	17
Computer Science & Engineering	21	22	23	23
Electrical Engineering	24	22	23	24
Mechanical Engineering	15	15	15	16
<b>BCOE</b>	<b>83</b>	<b>83</b>	<b>89</b>	<b>92</b>

**AVERAGE NUMBER OF AWARDS PER FACULTY MEMBER**

<b>Dept</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	0.8	0.8	0.4	0.3
Chemical/Environ. Engineering	3.2	2.5	1.9	1.8
Computer Science & Engineering	1.4	1.6	1.2	0.8
Electrical Engineering	2.5	3.5	2.3	1.4
Mechanical Engineering	0.9	1.5	1.5	0.4
<b>BCOE</b>	<b>2.2</b>	<b>2.4</b>	<b>1.8</b>	<b>1.1</b>

**AWARD FUNDING BY UNIT**

<b>Unit</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	\$794,640	\$904,708	\$352,358	\$331,172
CE-CERT	\$6,569,560	\$11,436,836	\$6,347,170	\$3,363,575
Chemical/Environ. Engineering	\$2,739,257	\$1,456,242	\$1,263,851	\$2,410,466
Computer Science & Engineering	\$4,048,898	\$3,090,258	\$3,991,620	\$3,745,618
Ctr for Nano Sci & Engr	\$4,877,043	\$369,000	\$369,000	\$185,000
Ctr for Res in Intelligent Sys	\$600,000	\$1,402,500	\$265,868	\$1,949,800
Electrical Engineering	\$4,905,544	\$7,750,042	\$4,076,216	\$3,250,219
Engineering - Dean's Office	\$219,000	\$1,731,056	\$968,793	\$185,000
Mechanical Engineering	\$1,219,934	\$1,371,651	\$3,300,788	\$298,375
<b>Grand Total</b>	<b>\$25,973,875</b>	<b>\$29,512,293</b>	<b>\$20,935,664</b>	<b>\$15,719,225</b>

**AWARD FUNDING BY PI AFFILIATION**

<b>PI Affiliation</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	\$794,640	\$904,708	\$352,358	\$331,172
CE-CERT	\$4,690,952	\$6,380,589	\$2,138,415	\$1,700,962
Chemical/Environ. Engineering	\$8,518,144	\$5,324,134	\$2,522,305	\$3,288,858
Computer Science & Engineering	\$4,267,898	\$4,821,314	\$4,960,413	\$3,930,618
Electrical Engineering	\$6,412,189	\$10,568,949	\$7,328,646	\$6,169,240
Mechanical Engineering	\$1,290,053	\$1,512,599	\$3,633,527	\$298,375
<b>Grand Total</b>	<b>\$25,973,875</b>	<b>\$29,512,293</b>	<b>\$20,935,664</b>	<b>\$15,719,225</b>

**FACULTY HEADCOUNT**

<b>Dept</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	9	11	12	12
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Mechanical Engineering	15	15	15	16
<b>BCOE</b>	<b>83</b>	<b>83</b>	<b>89</b>	<b>92</b>

**AVERAGE AWARD AMOUNT PER FACULTY MEMBER**

<b>Dept</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
Bioengineering	\$88,293	\$82,246	\$29,363	\$27,598
Chemical/Environ. Engineering	\$608,439	\$409,549	\$157,644	\$193,462
Computer Science & Engineering	\$203,233	\$219,151	\$215,670	\$170,896
Electrical Engineering	\$267,175	\$480,407	\$318,637	\$257,052
Mechanical Engineering	\$86,004	\$100,840	\$242,235	\$18,648
<b>BCOE</b>	<b>\$312,938</b>	<b>\$355,570</b>	<b>\$235,232</b>	<b>\$170,861</b>



Major	Dept. Targets		2014 based on 2013	No. of Applic.	% of Applic.	Target based on % Applic.	Potential Targets
	2014	2013					
Bioengr.	50	50	41	742	11.4%	46	45
Business Inf.	15	15	12	125	1.9%	8	15
Chem. E.	50	60	49	489	7.5%	30	45
Comp. E.	60	60	49	991	15.3%	61	50
Comp. Sci.	50	60	49	1654	25.5%	102	60
Electr. E.	60	75	61	592	9.1%	37	50
Env. E.	50	60	49	302	4.7%	19	40
Mech. E.	160	90	73	1506	23.2%	93	75
MSE	25	20	16	83	1.3%	5	20
			0		0.0%	0	
Total	520	490	400	6484	100.0%	400	400

Department	Fr.	Jr.	Soph.	Sr.	Total	Faculty	UG/Faculty
Bioengr.	77	81	71	113	342	12	28.5
Chem. & Env.	115	111	83	137	446	17	26.2
Comp. Sci.	130	113	107.5	140	490	23	21.3
Electr. Eng.	140	90.5	88.5	117	436	24	18.2
Mech. Eng.	124	119	119	174	536	16	33.5
MSE	24	7	22	11	64		
Misc	11	10	12	21	54		
BCOE	621	531	503	713	2368	92	25.7

Line

## UCLA

## UCR

		2008-09	2009-10	2010-11	2011-12	2012-2013		2008-09	2009-10	2010-11	2011-12	2012-2013
Instructional FTE	Budgeted	204.19	205.69	213.7	0							
	Actual	165.38	159.51	163.69	164	164		82.48	82.18	84.08	85.83	90.46
TA	Budgeted	35	35	0	0							
	Actual	80.55	77.52	0	0	0						
UG Headcount	LD	825.67	794	849.67	935.33			1091	939	1185	1091	967
	UD	2,083.33	2,260.83	2,277.00	2,228.67			936	660	749	936	1178
	Total	2,909.00	3,054.83	3,126.67	3,164.00			2027	1599	1934	2027	2145
UG Headcount/ Actual Instr. FTE	LD	4.99	4.98	5.19				13.23	11.43	14.09	12.71	10.69
	UD	12.60	14.17	13.91				11.35	8.03	8.91	10.91	13.02
	Total	17.59	19.15	19.10				24.58	19.46	23.00	23.62	23.71
BS Awarded	BS/Instr. FTE	513	642	778	721	680		174	204	222	246	312
	MS	3.1	4.02	4.75				2.11	2.48	2.64	2.87	3.45
MS/Instr. FTE	MS	307	438	438	529	545		56	66	83	70	69
	PhD	1.86	2.75	2.68	3.23	3.32		0.68	0.80	0.99	0.82	0.76
PhD/Instr. FTE	PhD	143	164	132	152	160		44	42	45	68	64
	PhD/Instr. FTE	0.86	1.03	0.81	0.93	0.98		0.53	0.51	0.54	0.79	0.71

### Effect of AIS, F'13 Freshmen

AIS Range	Number of freshmen	Number on probation	Fraction
3600	1	0	0%
4000	150	21	14%
4200	207	14	7%
4400	130	9	7%
4600	60	1	2%
4800	23	1	4%
5000	5	0	0%
5200	1	0	0%
Total	577	46	8%

### Effect of AIS, F'12 Freshmen

AIS Range	Freshman Count	Count of F'13 Cum. GPA > 2.5	Ratio
0 - 4000	115	53	46%
4001 - 4200	137	67	49%
4201 - 4400	176	96	55%
4401 - 4600	106	71	67%
4601 - 4800	49	38	78%
4801 - 5000	19	15	79%
5001 - 5200	4	3	75%
5201 - 5400	1	1	100%
Total	607	344	57%

### Estimated Enrollments by AIS Cutoffs (preliminary)

	4200		4000	
	Logistic	Yield	Logistic	Yield
Bioengr.	49	65	69	94
Chem. Engr	30	39	44	53
Electr. Engr.	25	36	47	63
Comp. Engr.	48	53	83	79
Comp. Sci	97	104	158	239
Bus. Inf.	6	1	9	10
Env. Engr.	17	31	26	36
Mech. Engr.	88	83	145	162
MSE	6	4	9	9