

Chairs' & Center Directors' Meeting Minutes

Date: August 5, 2013 (12:00 to 2:00 pm)
Location: WCH – Room 443
Attendees: Abbaschian, Reza
Aguilar, Guillermo
Barth, Matt
Boretz, Mitch
Farrell, Jay
Garay, Javier
Haddon, Robert
Hartney, Pat
Lonardi, Stefano (for Laxmi Bhuyan)
Matsumoto, Mark
Ravi
Tan, Sheldon (for Walid Najjar)
Vafai, Kambiz

Absent: Bhanu, Bir
Bhuyan, Laxmi
Myung, Nosang
Najjar, Walid
Rodgers, Victor
Wang, Albert

The agenda for the meeting is shown in Appendix 1.

1. Welcome and call for agenda items - Reza

Mitch added the topic of NIH Individual Development Plans for grad students. Reza asked Mitch and Robert to discuss the MSREC proposal.

2. Approval of Minutes - Pat

The revised minutes of the July 1st Chairs/Directors meeting were unanimously approved.

3. Undergraduate Education – Ravi

Ravi stated that orientations are underway for BCOE freshmen and that 426 have registered to date. The projected number of incoming BCOE freshmen is 550 which is 10% above this year's 500 target. Transfer student registrations start next month.

Ravi noted three attachments to the agenda. The first attachment presents the numbers (and percentages) of BCOE freshmen that: leave UCR, continue in or graduate from other UCR colleges, or continue in or graduate from BCOE. This information is summarized from 2005 through 2012 by BCOE program. For example, of the 65 freshmen that entered BIEN in 2008, 17 (26%) left UCR, 5 (8%) are continuing at other UCR colleges, 9 (14%) graduated from other UCR colleges, 4 (6%) are continuing in BCOE and 30 (46%) graduated from

BCOE. The second attachment presents numbers (and percentages) of the highest class attained by incoming BCOE freshmen. This information is summarized from 2005 to 2012 by BCOE program. For example, 32 (46%) of the 70 freshmen that entered Computer Science in 2009, made it to seniors. The third attachment presents the annual number of BCOE graduates that entered through BCOE, CNAS or CHASS. This information is summarized by freshmen and transfer students from 2008 through 2013 by BCOE program. Reza noted that 65% of UC undergrads graduate in four years compared to only 40% at UCR. Ravi noted that BCOE's four year graduation figure is likely around 40%. Ravi added that UCR has initiated a task force to determine why UCR students do not take 15 units per quarter. Also, he noted that 82% of UCR freshmen are in the bottom third of UC's eligibility pool. Ravi did a comparison with UCLA a few years ago that indicated that 90% of UCLA's engineering students had 4.0 high school GPAs and that UCLA's four-year retention rate was 80%. Reza asked Ravi for data on the percentage of sophomores that stay in BCOE. Lastly, Ravi noted that BCOE student success rate is much higher after 2 years and that 15% of BCOE graduates come from other UCR colleges.

4. Graduate Education – Mark

Mark called attention to the attachment to the agenda that compares numbers of BCOE grad student applications, admits and accepts between this year and last year. He noted that the number of international grad student applications and number of MS admits increased. The total number of incoming BCOE grad students is 183 which is a new high number for the College. Also, it was noted that CNAS had slightly more incoming grad students (187) than BCOE this year. Reza asked Pat to verify the mechanism that will be used to transfer BCOE's share of self-supporting MS student NRT.

5. US World News Recruiter Information - Reza

Reza noted that US News and World Report (USN&WR) attachment to the agenda. This document requests updates to BCOE's list of corporate contact information. The list of 10 companies that BCOE submitted last year is included. USN&WR uses this information to obtain data for its annual engineering program ranking. Reza asked Chairs to send him suggestions within the next couple of days of names of companies that have hired BCOE graduates along with corporate contact information. These contact names should be CEOs or vice presidents of HR or engineering. Small companies can be suggested.

6. Budget Update – Pat

Pat noted the BCOE allocation letter from the EVC/P that was recently forwarded by Reza to Chairs and Directors. This letter provides funding for one new staff FTE for Student Affairs and a .5 FTE Machinist for ME. A second letter will be coming soon from the EVC/P that allocates additional benefit funding for BCOE. These benefit funds are needed to cover BCOE's share of health insurance premium and UCR retirement contribution increases that have occurred over the last few years. Lastly, the EVC/P will be requesting proposals from colleges for new faculty and TA FTE.

7. Security Update – Pat

Pat reminded the group that BCOE is being funded by campus for two security related projects. The first is 12 months of security patrols. The first 4 months of these patrols will be via a private security firm with the last 8 months via contract employees hired by either BCOE or campus police. A meeting to finalize the security patrols is scheduled for next week. The second project is to replace about 50 tall doors in the Bourns B wing. The replacement doors will be shorter and should be easier to open and close. Louvers will be installed above the shorter doors to balance the air pressure in the rooms. The contractor for this project is scheduled to be selected in November and it is hoped that most of the doors can be replaced during the Christmas holiday break. As part of this enhanced security effort, BCOE has posted its Space Use policy (including room access and trespass policies) on its intranet and copies of this policy have been given to department LSOs and FAOs. It is

expected that this policy be presented to all incoming BCOE faculty, staff, grad students and undergrads. There will be disciplinary actions taken for students and employees for non-conformance with this policy.

8. Updates from Departments and Centers

ME: Guillermo acknowledged the .5 new Machinist FTE that is being funded by campus. In a related effort, the department will be developing a Machine Shop sale/service charge. He encouraged all BCOE departments and centers to use the ME Machine Shop for their machining needs.

MSE: Javier reported that a Graduate Committee is being formed. This Committee will have one representative from each BCOE and CNAS department participating in the MSE Program. This year marks the MSE Program's fourth year of incoming students and the first year that a PhD student will graduate. Lastly, the MSE Program will undergo its first Grad Program Review this year.

CE-CERT: Matt reported that ARB made a second visit to CE-CERT last week. ARB is considering moving its El Monte lab to the Research Park near CE-CERT. This move would include about 300-400 ARB staff. The move would occur sometime next year.

CSE: Stefano reported nothing was new in CSE.

MSOL: Kambiz stated that the Academic Senate's Committee on Courses will need to review all new MSOL specialization courses and that all MSOL courses will need "V" designations. These reviews are in process. The MSOL Program has revised and updated the catalogue and the revised and totally updated catalogue listing will appear in the upcoming catalogue. Also, recent market surveys indicate that the MSOL specialization in Bioengineering is not in demand so other specialization areas need to be added as soon as possible. Lastly, C&C has agreed to move the Echo 360 systems to the MSE rooms where this Fall's MSOL courses are being offered.

EE: Jay reported nothing was new in EE.

CNSE: Mitch reported that the MSREC pre-proposal is due at the end of August and that the first draft has been completed. Engineers and scientists are now included in all three of the proposal's IRGs. Robert stated that the IRG sections will be sent out for review but that the outreach section is already in excellent shape. Lastly, work on the MSE Building's Clean Room is still progressing. This project may be completed by the end of the calendar year.

CEN: Sheldon reported the following CEN course changes:

- CS 010V (online version) can be used to satisfy the CS 010 requirement

- CS012V (online version) can be used to satisfy the CS 0121 or CS 013 requirement

- MATH 113 is no longer required, instead students will be required to take EE 020

- Both CS/EE 168 and EE 100A are required. Please note students may NOT use CS/EE 168 or EE 100A to count for technical elective credit

- EE 110B is no longer required, by may be taken as a technical elective

These course changes will need to be approved by BCOE's Executive Committee and will be included in the Committee's minutes to document for ABET.

BIEN: Jiayu reported that the department is searching for a new FAO and that its part-time Grad Assistant will be leaving. This loss is particularly important since BIEN has 17 incoming PhD students.

9. Future Meeting Dates – Pat

Pat called attention to the future Chairs/Directors meeting dates listed at the bottom of the agenda. The next meeting is scheduled for Monday, September 9th.

10. Other Matters

Mitch stated that NIH will now be requiring progress reports for individual development plans for grad students and post-docs funded by NIH research grants. Mark noted that all BCOE departments prepared grad student development plan templates. The Grad Division should have copies of these templates. Mitch will contact the Grad Division and Office of Research to coordinate appropriate responses to this new requirement.

Ravi added that the ABET accreditation letters should be sent to BCOE programs in August.



Chairs' & Center Directors' Meeting

August 5, 2013

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 July 1, 2013 Meeting | Pat |
| 3. | Undergraduate Education | Ravi |
| 4. | Graduate Education | Mark |
| 5. | US World News Recruiter Information | Reza |
| 6. | Budget Update | Pat |
| 7. | Security Update | Pat |
| 8. | Updates from Departments & Centers | Chairs/Directors |
| 9. | Future Meeting Dates | Pat |
| 9. | Other Matters | |

Future Meeting Dates

2013

~~Monday, August 5~~
 Monday, September 9
 Monday, September 23
 Monday, October 7
 Monday, October 21
 Monday, November 4
 Monday, November 18
 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
 Monday, May 26
 Monday, June 9
 Monday, June 23
 Monday, July 7

at UCR

Entry Major	Entry Cohort	# of Freshmen	Not Retained	UCR		BCOE		Not Retained	UCR		BCOE	
				Continuing	Graduated	Continuing	Graduated		Continuing	Graduated	Continuing	Graduated
Bioengineering	2005	8	2		2		4	25%	0%	25%	0%	50%
	2006	48	18		10	1	19	38%	0%	21%	2%	40%
	2007	43	14	1	6		22	33%	2%	14%	0%	51%
	2008	65	17	5	9	4	30	26%	8%	14%	6%	46%
	2009	80	22	12	6	23	17	28%	15%	8%	29%	21%
	2010	135	44	25		66		33%	19%	0%	49%	0%
	2011	71	13	4		54		18%	6%	0%	76%	0%
	2012	91	3	1		87		3%	1%	0%	96%	0%
	2011	1				1		0%	0%	0%	100%	0%
	2012	3				3		0%	0%	0%	100%	0%
	2008	1				1		0%	0%	0%	100%	0%
	2009	7	1	5		1		14%	71%	0%	14%	0%
Business Informatics	2010	18	5	9		4		28%	50%	0%	22%	0%
	2011	8	4	2		2		50%	25%	0%	25%	0%
	2012	10				10		0%	0%	0%	100%	0%
	2005	32	9		6		17	28%	0%	19%	0%	53%
	2006	18	6				12	33%	0%	0%	0%	67%
	2007	33	14		5	1	13	42%	0%	15%	3%	39%
	2008	34	17	1	2		14	50%	3%	6%	0%	41%
	2009	60	23	7	1	24	5	38%	12%	2%	40%	8%
	2010	70	25	10		35		36%	14%	0%	50%	0%
	2011	43	8	1		34		19%	2%	0%	79%	0%
	2012	63	6	2		55		10%	3%	0%	87%	0%
	2010	1				1		0%	0%	0%	100%	0%
Chemical Engineering BS + MS	2011	1	1					100%	0%	0%	0%	0%
	2005	54	25		14		15	46%	0%	26%	0%	28%
	2006	78	30	2	22		24	38%	3%	28%	0%	31%
	2007	54	21		15	1	17	39%	0%	28%	2%	31%
	2008	96	41	9	13	14	19	43%	9%	14%	15%	20%
	2009	66	24	14	4	19	5	36%	21%	6%	29%	8%
	2010	83	33	16		34		40%	19%	0%	41%	0%
	2011	68	16	6		46		24%	9%	0%	68%	0%
	2012	57	2			55		4%	0%	0%	96%	0%
	2011	1		1				0%	100%	0%	0%	0%
	2012	1				1		0%	0%	0%	100%	0%
	2005	44	17		10		17	39%	0%	23%	0%	39%
Computer Engineering	2006	64	27	2	16		19	42%	3%	25%	0%	30%
	2007	65	23	2	12		28	35%	3%	18%	0%	43%
	2008	80	25	10	15	7	23	31%	13%	19%	9%	29%
	2009	70	21	12	3	31	3	30%	17%	4%	44%	4%
	2010	106	32	10		64		30%	9%	0%	60%	0%
	2011	69	22	8		39		32%	12%	0%	57%	0%
	2012	69	4	1		64		6%	1%	0%	93%	0%
	2009	1	1					100%	0%	0%	0%	0%
	2010	2	1			1		50%	0%	0%	50%	0%
	2012	3				3		0%	0%	0%	100%	0%
	2005	44	17		10		17	39%	0%	23%	0%	39%
	2006	64	27	2	16		19	42%	3%	25%	0%	30%
	2007	65	23	2	12		28	35%	3%	18%	0%	43%
Computer Science	2008	80	25	10	15	7	23	31%	13%	19%	9%	29%
	2009	70	21	12	3	31	3	30%	17%	4%	44%	4%
	2010	106	32	10		64		30%	9%	0%	60%	0%
	2011	69	22	8		39		32%	12%	0%	57%	0%
	2012	69	4	1		64		6%	1%	0%	93%	0%
	2009	1	1					100%	0%	0%	0%	0%
	2010	2	1			1		50%	0%	0%	50%	0%
	2012	3				3		0%	0%	0%	100%	0%
	2005	44	17		10		17	39%	0%	23%	0%	39%
	2006	64	27	2	16		19	42%	3%	25%	0%	30%
	2007	65	23	2	12		28	35%	3%	18%	0%	43%
	2008	80	25	10	15	7	23	31%	13%	19%	9%	29%
	2009	70	21	12	3	31	3	30%	17%	4%	44%	4%
	2010	106	32	10		64		30%	9%	0%	60%	0%
	2011	69	22	8		39		32%	12%	0%	57%	0%
	2012	69	4	1		64		6%	1%	0%	93%	0%
Computer Science BS + MS	2009	1	1					100%	0%	0%	0%	0%
	2010	2	1			1		50%	0%	0%	50%	0%
	2012	3				3		0%	0%	0%	100%	0%

Electrical Engineering	2005	59	15			3	1	15	53%	0%	21%	3%	38%
	2006	35	14			5		16	40%	0%	14%	0%	46%
	2007	37	17	1		5	1	13	46%	3%	14%	3%	35%
	2008	53	23	4		2	9	15	43%	8%	4%	17%	28%
	2009	55	19	4		2	26	4	35%	7%	4%	47%	7%
	2010	91	26	12			52	1	29%	13%	0%	57%	1%
	2011	56	9	4			43		16%	7%	0%	77%	0%
	2012	72	3				69		4%	0%	0%	96%	0%
	2010	3	1				2		33%	0%	0%	67%	0%
	2005	9	1			5		3	11%	0%	56%	0%	33%
Environmental Engineering	2006	22	5			7		10	23%	0%	32%	0%	45%
	2007	15	5			5	1	4	33%	0%	33%	7%	27%
	2008	31	8	3		8	5	7	26%	10%	26%	16%	23%
	2009	49	13	9		1	20	6	27%	18%	2%	41%	12%
	2010	50	7	9			34		14%	18%	0%	68%	0%
	2011	34	8	4			22		24%	12%	0%	65%	0%
	2012	40					40		0%	0%	0%	100%	0%
	2009	1						1	0%	0%	0%	0%	100%
	2010	2	1				1		50%	0%	0%	50%	0%
	2011	1					1		0%	0%	0%	100%	0%
Information Systems	2005	4	2			1		1	0%	0%	0%	100%	0%
	2006	7	4			1		2	57%	0%	14%	0%	29%
	2007	11	6			4		1	55%	0%	36%	0%	9%
	2008	6	4			2			67%	0%	33%	0%	0%
	2009	15	8	1		2	3	1	53%	7%	13%	20%	7%
	2010	14	5	3			6		36%	21%	0%	43%	0%
	2011	19	8	4			7		42%	21%	0%	37%	0%
	2012	5	1				4		20%	0%	0%	80%	0%
	2005	9	1				8		11%	0%	0%	89%	0%
	2006	89	30			16		43	34%	0%	18%	0%	48%
Mechanical Engineering	2007	102	33	2		19	3	45	32%	2%	19%	3%	44%
	2008	124	52	4		20	5	43	42%	3%	16%	4%	35%
	2009	147	48	11		17	27	44	33%	7%	12%	18%	30%
	2010	128	45	21		3	54	5	35%	16%	2%	42%	4%
	2011	182	53	34			95		29%	19%	0%	52%	0%
	2012	139	33	8			98		24%	6%	0%	71%	0%
	2010	134	7	3			124		5%	2%	0%	93%	0%
	2013	1					1		0%	0%	0%	100%	0%
	2009	2	1				1		50%	0%	0%	50%	0%
	2010	3					3		0%	0%	0%	100%	0%
Mechanical Engineering BS + MS	2011	1					1		0%	0%	0%	100%	0%
	2012	2					2		0%	0%	0%	100%	0%

ENTRY MAJOR	COHORT	NO. OF FRESHMEN	HIGHEST CLASS ATTAINED				HIGHEST CLASS ATTAINED			
			FR	SO	JR	SR	FR	SO	JR	SR
Bioengineering	2005	8	2	1	1	4	25%	13%	13%	50%
	2006	48	10	8	3	27	21%	17%	6%	56%
	2007	43	3	11	4	25	7%	26%	9%	58%
	2008	65	13	12	5	35	20%	18%	8%	54%
	2009	80	15	13	9	43	19%	16%	11%	54%
	2010	135	27	34	20	54	20%	25%	15%	40%
	2011	71	9	13	34	15	13%	18%	48%	21%
Bioengineering BS + MS	2012	91	14	64	11	2	15%	70%	12%	2%
	2011	1				1	0%	0%	0%	100%
Business Informatics	2012	3		2	1		0%	67%	33%	0%
	2008	1				1	0%	0%	0%	100%
	2009	7	3	2	1	1	43%	29%	14%	14%
	2010	18	7	4	3	4	39%	22%	17%	22%
	2011	8	2	5	1		25%	63%	13%	0%
Chemical Engineering	2012	10	3	7			30%	70%	0%	0%
	2005	32	6	8	1	17	19%	25%	3%	53%
	2006	18	3	2		13	17%	11%	0%	72%
	2007	33	6	9	3	15	18%	27%	9%	45%
	2008	34	6	7	5	16	18%	21%	15%	47%
	2009	60	9	15	7	29	15%	25%	12%	48%
	2010	70	16	11	12	31	23%	16%	17%	44%
	2011	43	4	10	26	3	9%	23%	60%	7%
Chemical Engineering BS + MS	2012	63	13	44	5	1	21%	70%	8%	2%
	2010	1				1	0%	0%	0%	100%
	2011	1				1	0%	0%	0%	100%
Computer Engineering	2005	54	19	13	3	19	35%	24%	6%	35%
	2006	78	26	17	9	26	33%	22%	12%	33%
	2007	54	22	9	4	19	41%	17%	7%	35%
	2008	96	30	22	8	36	31%	23%	8%	38%
	2009	66	16	20	7	23	24%	30%	11%	35%
	2010	83	26	16	18	23	31%	19%	22%	28%
	2011	68	17	12	38	1	25%	18%	56%	1%
	2012	57	17	38	2		30%	67%	4%	0%
Computer Engineering BS + MS	2011	1	1				100%	0%	0%	0%
	2012	1			1		0%	0%	100%	0%
Computer Science	2005	44	10	11	6	17	23%	25%	14%	39%
	2006	64	16	21	4	23	25%	33%	6%	36%
	2007	65	14	13	9	29	22%	20%	14%	45%
	2008	80	24	14	11	31	30%	18%	14%	39%
	2009	70	18	12	8	32	26%	17%	11%	46%
	2010	106	15	26	29	36	14%	25%	27%	34%
	2011	69	12	23	32	2	17%	33%	46%	3%
	2012	69	19	46	4		28%	67%	5%	0%
Computer Science BS + MS	2009	1		1			0%	100%	0%	0%
	2010	2			1	1	0%	0%	50%	50%
	2012	3		3			0%	100%	0%	0%
Electrical Engineering	2005	39	10	5	6	18	26%	13%	15%	46%
	2006	35	6	7	3	19	17%	20%	9%	54%
	2007	37	11	7	4	15	30%	19%	11%	41%
	2008	53	13	6	9	25	25%	11%	17%	47%
	2009	55	14	6	8	27	25%	11%	15%	49%
	2010	91	20	14	19	38	22%	15%	21%	42%
	2011	56	8	14	31	3	14%	25%	55%	5%
Electrical Engineering BS + MS	2012	72	19	52	1		26%	72%	1%	0%
	2010	3			1	2	0%	0%	33%	67%
Engineering (Prep)	2005	5	3	2			60%	40%	0%	0%
	2007	2		1	1		0%	50%	50%	0%
	2008	1		1			0%	100%	0%	0%
	2010	5		3	2		0%	60%	40%	0%
Engineering (Undeclared)	2006	3	1	2			33%	67%	0%	0%
	2007	5	2	2	1		40%	40%	20%	0%
	2008	16	4	8	3	1	25%	50%	19%	6%
	2009	7	2	3	1	1	29%	43%	14%	14%
	2010	30	5	14	11		17%	47%	37%	0%
	2011	13	6	7			46%	54%	0%	0%
	2012	14	8	5	1		57%	36%	7%	0%

Environmental Engineering	2005	9	2	3	1	3	22%	33%	11%	33%
	2006	22	5	4	2	11	23%	13%	9%	50%
	2007	15	5	5		5	33%	33%	0%	33%
	2008	21	7	6	4	14	23%	19%	13%	45%
	2009	49	9	9	5	26	18%	13%	10%	53%
	2010	50	5	7	11	27	10%	14%	22%	54%
	2011	34	6	10	17	1	18%	29%	50%	3%
Environmental Engineering BS + MS	2012	40	12	26	1	1	30%	65%	7%	4%
	2009	1				1	0%	0%	0%	100%
	2010	2	1			1	50%	0%	0%	50%
	2011	1			1		0%	0%	100%	0%
Information Systems	2012	1			1		0%	0%	100%	0%
	2005	4	1	2		1	25%	50%	0%	25%
	2006	7	3		2	2	43%	0%	29%	29%
	2007	11	5	2	1	3	45%	13%	9%	27%
Materials Science and Engineering	2008	6	2	3	1		33%	50%	17%	0%
	2008	15	4	4	2	5	27%	27%	13%	33%
	2009	14	1	4	2	7	7%	29%	14%	50%
	2010	19	6	3	2	3	32%	16%	11%	42%
Mechanical Engineering	2011	5		3	2		0%	60%	40%	0%
	2012	9	2	7			22%	78%	0%	0%
	2005	39	18	19	7	45	20%	21%	8%	51%
	2006	102	28	14	9	51	27%	14%	9%	50%
Mechanical Engineering BS + MS	2007	124	29	27	14	54	23%	22%	11%	44%
	2008	147	26	27	21	73	18%	18%	14%	50%
	2009	128	39	24	6	59	30%	19%	5%	46%
	2010	182	42	29	31	30	23%	16%	17%	44%
Pre-Engineering	2011	129	25	38	72	4	18%	27%	52%	3%
	2012	134	35	92	7		26%	59%	5%	0%
	2013	1	1				100%	0%	0%	0%
	2009	2				2	0%	0%	0%	100%
Pre-Engineering	2010	3				3	0%	0%	0%	100%
	2011	1				1	0%	0%	0%	100%
	2012	2		1	1		0%	50%	50%	0%
	2009	1			1		0%	0%	100%	0%
Pre-Engineering	2011	20	9	7	3	1	45%	35%	15%	5%
	2012	3	2	1			67%	33%	0%	0%

BCOE GRADUATION MAJOR	GRADUATION COHORT	TOTAL GRADUATES	UCR ENTRY TYPE					
			BCOE		CNAS		CHASS	
			FRESHMAN	TRANSFER	FRESHMAN	TRANSFER	FRESHMAN	TRANSFER
Bioengineering	2008	7	4	1	2	0	0	0
	2009	19	7	4	8	0	0	0
	2010	20	13	6	1	0	0	0
	2011	28	18	5	2	3	0	0
	2012	39	26	7	4	0	1	1
	2013	34	23	7	3	0	1	0
Bioengineering BS + MS	2010	5	2	2	1	0	0	0
	2011	3	2	0		0	1	0
	2012	2	2	0		0		0
	2013	2	1	0	1	0		0
Business Informatics	2011	2	1	0	1	0		0
	2012	1	1	0		0		0
	2013	3	3	0		0		0
Chemical Engineering	2005	13	6	2	1	2	2	0
	2006	16	5	2	3	3	0	3
	2007	16	4	6	5	0	0	1
	2008	25	13	5	7	0	0	0
	2009	10	8	1	1	0	0	0
	2010	25	17	2	6	0	0	0
	2011	19	8	5	6	0	0	0
	2012	24	16	3	3	0	2	0
	2013	23	14	2	6	0	1	0
Chemical Engineering BS + MS	2010	4	3	1	0	0	0	0
	2013	2	1	1	0	0	0	0
Computer Engineering	2005	27	18	6	2	1	0	0
	2006	16	12	1	2	0	1	0
	2007	21	18	2	0	0	1	0
	2008	28	23	4	1	0	0	0
	2009	14	11	2	0	1	0	0
	2010	17	14	0	1	2	0	0
	2011	17	13	3	1	0	0	0
	2012	21	18	2	1	0	0	0
	2013	16	13	1	1	0	1	0
Computer Science	2005	96	39	44	9	0	3	1
	2006	86	59	20	4	0	2	1
	2007	52	31	12	3	2	3	1
	2008	40	24	10	5	0	1	0
	2009	33	21	5	4	0	3	0
	2010	33	20	6	5	1	0	1
	2011	26	20	3	1	0	2	0
	2012	43	31	6	4	1	0	1
	2013	16	10	1	1	0	3	1
Computer Science BS + MS	2010	1	1	0		0		0
	2011	2	2	0		0		0
Electrical Engineering	2005	44	26	7	7	2	2	0
	2006	50	34	10	4	1	0	1
	2007	39	25	10	0	1	3	0
	2008	50	36	9	4	1	0	0
	2009	32	25	4	0	0	2	1
	2010	31	19	8	1	1	2	0
	2011	28	19	8	0	1	0	0
	2012	29	19	6	2	0	0	2
	2013	18	13	4	1	0	0	0
Electrical Engineering BS + MS	2010	1	0	1	0		0	
	2012	4	3	1	0	0	0	0

Environmental Engineering	2005	3	2	1	0	0	0	0
	2006	3	6	0	2	0	0	0
	2007	2	1	0	1	0		0
	2008	9	6	2	0	0	1	0
	2009	6	3	0	1	1	1	0
	2010	3	5	2	1	0	0	0
	2011	12	6	2	3	0	1	0
	2012	13	6	1	3	0	0	0
	2013	12	12	0		0		0
Information Systems	2005	24	15	5	1	0	2	1
	2006	16	12	1	3	0	0	0
	2007	9	6	2	0	1	0	0
	2008	10	5	2	2	1	0	0
	2009	10	7	2	0	0	1	0
	2010	7	5	1	0	0	1	0
	2011	8	7	1	0	0	0	0
	2012	3	3	0		0		0
Materials Science and Engineering	2010	1	0	1	0		0	
	2011	7	6	1	0	0	0	0
	2012	4	2	2	0	0	0	0
	2013	1	1	0		0		0
Mechanical Engineering	2005	21	13	5	2	1	0	0
	2006	52	38	7	2	0	5	0
	2007	58	40	4	9	2	2	1
	2008	51	42	3	3	0	3	0
	2009	50	43	3	3	0	1	0
	2010	50	40	2	6	0	2	0
	2011	63	50	5	7	1	0	0
	2012	61	48	8	2	0	2	1
	2013	35	26	5	2	1	0	1
Mechanical Engineering BS + MS	2011	5	3	1	1	0	0	0
	2012	2	2	0		0		0

2-Aug-13

APPLICATIONS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	43	24	67	47	31	78	90	55	145
CEE	23	57	80	41	98	139	64	155	219
CEN	8	44	52	0	0	0	8	44	52
CPSC	54	495	549	31	212	243	85	707	792
ELEN	32	394	426	32	227	259	64	621	685
MSOL	1	0	1	0	0	0	1	0	1
MSE	11	46	57	22	69	91	33	115	148
MCEN	29	71	100	14	52	66	43	123	166
BCOE	201	1131	1332	187	689	876	388	1820	2208

2012-13

APPLICATIONS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	58	21	79	38	23	61	96	44	140
CEE	22	47	69	40	90	130	62	137	199
CEN	NA	NA	NA	NA	NA	NA	NA	NA	NA
CPSC	50	361	411	41	192	233	91	553	644
ELEN	22	365	387	27	265	292	49	630	679
MSOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MSE	13	28	41	18	69	87	31	97	128
MCEN	24	62	86	19	52	71	43	114	157
BCOE	189	884	1073	183	691	874	372	1575	1947

ADMITTS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	24	7	31	30	7	37	54	14	68
CEE	13	8	21	29	26	55	42	34	76
CEN	4	19	23	0	0	0	4	19	23
CPSC	27	60	87	14	25	39	41	85	126
ELEN	10	53	63	9	37	46	19	90	109
MSOL	1	0	1	0	0	0	1	0	1
MSE	6	2	8	11	9	20	17	11	28
MCEN	21	13	34	8	3	11	29	16	45
BCOE	106	162	268	101	107	208	207	269	476

ADMITTS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	34	3	37	21	4	25	55	7	62
CEE	13	13	26	28	19	47	41	32	73
CEN	NA	NA	NA	NA	NA	NA	NA	NA	NA
CPSC	26	64	90	21	32	53	47	96	143
ELEN	7	19	26	13	36	49	20	55	75
MSOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MSE	5	0	5	12	12	24	17	12	29
MCEN	15	3	18	9	5	14	24	8	32
BCOE	100	102	202	104	108	212	204	210	414

ACCEPTS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	10	3	13	12	5	17	22	8	30
CEE	5	1	6	10	15	25	15	16	31
CEN	0	7	7	0	0	0	0	7	7
CPSC	12	10	22	8	12	20	20	22	42
ELEN	3	11	14	3	21	24	6	32	38
MSOL	1	0	1	0	0	0	1	0	1
MSE	1	0	1	7	8	15	8	8	16
MCEN	10	2	12	4	2	6	14	4	18
BCOE	42	34	76	44	63	107	86	97	183

ACCEPTS

Program	MS			PHD			MS/PHD		
	Dom	Int'l	Total	Dom	Int'l	Total	Dom	Int'l	Total
BIEN	17	1	18	11	2	13	28	3	31
CEE	3	1	4	5	5	10	8	6	14
CEN	NA	NA	NA	NA	NA	NA	NA	NA	NA
CPSC	8	16	24	12	10	22	20	26	46
ELEN	6	4	10	4	21	25	10	25	35
MSOL	NA	NA	NA	NA	NA	NA	NA	NA	NA
MSE	3	0	3	7	7	14	10	7	17
MCEN	7	2	9	6	3	9	13	5	18
BCOE	44	24	68	45	48	93	89	72	161

Introduction

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08/02/2013

INTRODUCTION

Welcome to the *U.S. News & World Report* on-line recruiter and corporate contact data collection system.

The purpose of this system is to gather complete and accurate contact information on persons who have significant contact in the workplace with you or your discipline relative to the general field of graduates in that discipline. While we use the tag "recruiter" for expediency, these persons are not necessarily suggested that your advisory board might be a good source of names.

Please read the following instructions before you start entering data. We suggest that you print out this page so you can consult the directions without

1. To enter recruiter or corporate contact information for a contact, click on "Add a new recruiter record" on the left panel. This will take you to a form where you will be prompted to add another record. If you have not filled out all the required fields, you will not be able to save that record.
2. To change previously entered data, click on "Modify a record" on the left panel. You may edit data as often as you wish until you sign off.
3. To get a list of all the records you have entered, click on "View all records for your school" on the left panel.
4. To sign off, click on "Sign Off" on the left panel. Remember to verify all your data by testing each telephone number and e-mail address BEFORE you sign off. Don't forget to print out a copy of your data to keep for your own records.
5. If you need help at any time, click on "Help" on the left panel. A screen will show contact information for the *U.S. News* researcher assigned to your school.

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- B. If you choose not to submit any contacts to *U.S. News*, please immediately click on "Sign Off" on the left panel. You will be asked to verify that you have no contacts to submit.
- C. We have tested our system using Internet Explorer 9.0 and Mozilla Firefox 13.1. While you should not have any problems if you are using these browsers, if you hit "Enter" when entering data, the program will attempt to save your data. You can avoid this by using "Tab" or clicking on another field.

CONTACTS SUBMITTED SUMMER 2010

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2	Mr.	Ben Overall	MEC Division Director	Northrop Grumman Corporation	862 Hospitality Lane, SBCA 1-3184	San Bernardino, CA 92408	(909) 382-6328	ben.overall@nge.com
3	Mr.	Arman Hovakemian	Head, Measurement Science Department	Naval Surface Warfare Center	P.O. Box 5060	Corona, CA 92878-5060	(951) 273-5221	arman.hovakemian@navy.mil
4	Mr.	Matt Chludzinski	Director, Coronary Catheter & Guide Wire	Abbott Vascular	4188 Motor Car Parkway	Temecula, CA 92507	(951) 914-2071	
5	Mr.	Brian Hawley	Chairman and CTO	LUMINEX Software, Inc.	871 Marlborough Avenue	Riverside, CA 92507	(951) 781-4100 x112	
6	Mr.	Wallace Brithinee	President	Brithinee Electric	620 South Rancho Avenue	Colton, CA 92324	(909) 825-6312	wallace.brithinee@mail.brithinee.com
7	Mr.	Ken Carlisle	Vice President	Abbott Vascular	4188 Motor Car Parkway	Temecula, CA 92591	(951) 914-2071	
8	Mr.	Brian Bender	President	Jet Head Development, Inc.	5411 Avenida Encinas, Suite 110	Carlsbad, CA 92008	(760) 918-1816 x111	
9	Mr.	Robert Brown	Director, Vehicle Environmental Engineering	Ford Motor Inc.	One American Road, World Hqtrs, Room 318	Dearborn, MI 48126	(313) 594-2493	rbrown8@ford.com
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