

## **Chairs' & Center Directors' Meeting Minutes**

Date: August 22, 2016  
Location: WCH – Room 443  
Attendees: Guillermo Aguilar  
Alex Balandin  
Matt Barth  
Mitch Boretz  
Marek Chrobak  
Jay Farrell  
Pat Hartney  
Xiaoping Hu  
Ashok Mulchandani  
Nosang Myung  
Walid Najjar  
Marko Princevac  
Ravi  
Maggie Souder  
Tom Stahovich  
Kambiz Vafai  
Sharon Walker

Absent: Bir Bhanu  
Albert Wang

### **1. Welcome and call for agenda items – Sharon**

Sharon welcomed new members including Tom Stahovich (BCOE Executive Committee Chair), Marko Princevac (Interim Associate Dean, Student Academic Affairs) and Xiaoping Hu (BIEN Chair). Members of the group introduced themselves to Xiaoping.

Nosang asked that the topic of Shared Student Space in WCH 233 be discussed. Sharon responded that a separate meeting will be scheduled with interested parties.

### **2. Approval of minutes – Pat**

The minutes of the June 27, 2016 meeting were approved.

### **3. Timeline/updates of Bourns B Renovation – Maggie**

Maggie noted the Bourns B Renovation project website (on BCOE's intranet). This website includes the latest renovation schedule updates and important notices. Also included on this website are Bourns A & B floorplans. These floorplans present estimated dates that rooms will be vacated.

She noted that:

- Bourns A108 has been cleared and has a renovated floor
- Bourns A275 and 277 are cleared with a pending new door installation between rooms
- Bourns A368 has been cleared with new carpet pending
- all labs on the east wing of Bourns B First Floor will be cleared by the end of August
- items in Bourns B108 and B134 (CEE Instructional Labs) will be crated around December 5<sup>th</sup>
- construction is in progress on several labs on the 2<sup>nd</sup> floor of Bourns B
- Prof. Anvari will be able to stay in B252 until his lab's final location has been decided
- a new ventilation shaft from the roof to the first floor of Bourns B will need to be installed through the 2<sup>nd</sup> and 3<sup>rd</sup> floors. The location of this shaft on the 3<sup>rd</sup> floor will necessitate removing a corridor door in B313AB (mail room).
- A new gender neutral restroom will need to be installed in Bourns B. The architect and A&E feel that the best option for this restroom will be to use a portion of B359. Nosang stated that this is the first time he has

been notified that a restroom and shaft will need to be located in spaces currently assigned to CEE. A separate meeting will be scheduled to discuss this issue.

Also, Maggie reported that the moving company, Burgess, is providing e-totes for chemicals so that lab chemicals are moved and stored safely.

#### **4. TA Allocations - Pat**

Pat distributed a summary of FY 16-17 BCOE TA allocations. He noted that these allocations are following the same method used previously (i.e., 30% weighted for incoming PhD and Domestic MS students and 70% weighted for Undergraduate Workload FTE in the previous academic year).

Departments receive supplemental TA allocations for their MSE grad students. Undergraduate workload FTE increased slightly from the previous academic year but some programs have fewer incoming PhD/Domestic MS students which impact their allocations. The amount of TA funding this year is about \$3.2M. The Dean's Office takes 10% of these funds to respond to special TA requests or needs. There may be some additional TA funding provided by campus for salary/benefit increases later this year. Any such increase will be passed on to BCOE programs using the same methodology. In response to a question, Pat noted that programs experiencing a decrease in TA funding can request additional funding from the Dean or can borrow funds from the following year's TA allocation.

Next, Pat distributed a summary of FY 16-17 UCOP GSR allocations to BCOE programs. These allocations are based on the proportion of grad students enrolled in programs in the previous academic year. The total amount of UCOP GSR funding is about \$300K this year. The Dean's Office takes 10% of these funds to respond to special GSR requests or needs. Departments receive additional UCOP GSR allocations for MSE grad students.

#### **5. SIF Applications - Mitch**

Mitch reported that the campus' Strategic Investment Fund (SIF) proposal due dates are 9/1, 1/1 and 6/1 each year. Two of BCOE's four SIF proposals last Spring were funded: ECE's Clean Room (\$65K) and CE-CERT's Transportation Institute (\$100K). The campus priorities for SIF funding are efforts that generate additional revenue and are aligned to the campus' 2020 plan. Also, the campus will use SIF funding to provide grant cost-sharing although details of the timing of these commitments and the specific process have yet to be determined. BCOE intends to submit three MRI proposals in January that will require campus cost-sharing commitments. In addition to these MRI proposals, Mitch feels that BCOE can submit 4-6 SIF proposals this fall (by 9/1). As such, Sharon requested that SIF proposal ideas be sent to Mitch, Pat and her by noon tomorrow (8/23) so these proposals can be prioritized for submission and finalized. In response to a question, Sharon indicated that she will ask the Provost for feedback on why other BCOE SIF proposals were not funded last Spring.

#### **6. Search Success Strategies - Sharon**

Sharon stated that the campus intends to initiate the new BCOE Dean Search early in the Fall quarter. She suggested that BCOE departments initiate a Distinguished Seminar Series early in the Fall quarter and invite possible dean candidates as speakers. CEE did this last year and ECE has initiated such a speaker series this year. After discussion, it was recommended that these departmental Distinguished Seminar Series be coordinated by the Dean's Office so that all Chairs and Directors have opportunities to meet with these speakers. Sharon will decide who will be responsible for this coordination in the Dean's Office. Also, Sharon indicated that she has asked Angela to develop a BCOE annual report which will be provided to Distinguished Seminar Speakers and other possible dean candidates. As such, Angela will be asking for input from Chairs/Directors on content (i.e., department/center details and highlights) and dissemination recommendations. When completed, this document will also be uploaded to BCOE's website. Lastly, she recommended that Dean Search Committee member recommendations be sent to BCOE's representative on the Academic Senate's Committee on Committees, Srikanth Krishnamurthy. It was recommended by the group that the Provost's Office provide a Dean Search timeline as soon as possible and use a different search firm this time. Also, it was noted that the Search Committee should have more time to review and provide input to the search ad this time.

## **7. Cluster Updates – Ravi**

Ravi noted that the cluster hire process has changed this year. In effect, cluster hire searches will be college level searches. Cluster Hire Search Committee Chairs will make recommendations to College Steering Committee Chairs. BCOE's Steering Committee Chair is Ravi. Steering Committee Chairs will coordinate candidate recommendations across colleges and will forward these recommendations to Associate Provost Ken Baerenklau. Ken will be able to delete names if he feels that more candidate diversity is needed. It was stressed that diversity hiring is a major campus focus again this year. Since BCOE may have difficulty identifying diversity candidates in narrow cluster hire areas, BCOE has been given approval by the Provost to broaden cluster search areas.

## **8. BCOE Searches – Sharon**

Sharon announced that Jerry Schultz will be leaving BCOE by end of CY 2016 and another faculty member in BIEN was not granted tenure. As such, BIEN will be searching for two new faculty members this year. Also, CEE will be searching for a possible replacement for Prof. Asa-Awaku (who will be on a leave of absence this year and may not return). Lastly, the Dean's Offices of CNAS and BCOE will coordinate the hiring of a new CNSE Director. This position will be a joint appointment between CNAS and BCOE and could be in any department in either college. As such, Sharon asked Chairs to send her their rationale for becoming BCOE's joint department for this position.

## **9. Undergraduate Enrollment Update – Marko**

Marko noted the Enrollment Update attached to the agenda. This attachment was previously sent electronically to Chairs/Directors. Marko stated that 671 BCOE freshmen have enrolled this year compared to 480 last year. This significant increase resulted from UCR overestimating the number of students it needed to admit this year to reach its enrollment target. As a result, UCR is admitting the largest number of incoming freshmen in UCR's (and UC's) history. Marko directed attention to the last slide in his attachment, Mathematics Advisor Exam (MAE) results. This slide indicates that 57 incoming BCOE freshmen placed at the lowest (ARC 35) level. Historically, about 5% of incoming BCOE freshmen were at this level. Last year, there were very few at this ARC 35 level so 57 is a significant increase. Lastly, Marko noted that departments should be working on their ABET processes. An ABET Consultant will be hired by the Dean's Office.

## **10. General/Miscellaneous Updates – Sharon**

Sharon announced that BCOE's MSOL Program recently received WASC approval. Also, it was noted that the total current number of enrolled students in the MSOL Program for Fall 2016 is 73 and that this total is expected to increase by 30 for a final total of 103 students.

Advancement has indicated that a new BCOE Senior Director of Development should be hired by the start of fall quarter and that an Associate Director of Development should be hired later in the fall.

Additionally, RED is interested in hiring a Corporate Relations Officer for BCOE and Physics. This position may be located in BCOE.

Sharon asked Chairs/Directors to send the names of all BCOE centers (and center directors) to Eilene for inclusion in an updated BCOE Directory. This information is needed by early September.

Lastly, a New BCOE Faculty Orientation has been scheduled for Monday, September 26<sup>th</sup>.

# Chairs' & Center Directors' Meeting

**August 22, 2016 - Agenda**

Winston Chung Hall – Room 443

1. Welcome Sharon
  - New members (Xiaoping and Marko)
  - Request for Agenda Items from the Floor
2. Approval of Minutes from June 27, 2016 Meeting Pat
3. TA allocations Pat
4. Timeline/updates of Bourns B renovation Maggie/Pat
5. SIF applications Mitch
6. Search success strategies: Sharon
  - Distinguished seminars in fall 16
  - Targeted calls/mailings
  - Document/booklet to share with potential candidates/distinguished visitors (how many hard copies would each department like? Need to place printing order in advance)
7. Cluster updates Ravi
  - Comp. materials (Chair: Roger) – 1 remaining position
  - Phonon (Chair: Alex) – 1 remaining position if current negotiations falls through
  - Human neuroimaging (Chair: Hyle) – 2 remaining positions
  - Data (Chair: Vassilis) – 3 remaining positions
  - Cyber security (Chair: KK) – 1 remaining position
  - Neuroscience – 2 remaining positions
  - Multiphase Atm. – 2 remaining positions
  - STEM education – 4 remaining positions
  - Supply chain management
  - Business analytics
8. BCOE searches: Sharon
  - Replacement hires in BIEN – Julia and Jerry
  - Replacement (?) hire in CEE – Akua
  - Replacement in BCOE – Robert
9. Undergraduate enrollment update Marko
10. General/misc. updates:
  - MSOL – WASC approved
    - Development officer hiring timeline (Senior director of development for BCOE by fall quarter, associated director to be hired in fall)
    - Corporate relations officer may be hired by RED specifically for engineering and physical sciences
  - BCOE Directory Updates
    - i. Listing of Centers – need all Chairs to submit to Eilene all Centers to be included and identify name of Director
    - ii. Review is scheduled for September 12<sup>th</sup> and to print September 19<sup>th</sup>
  - BCOE New Faculty Orientation scheduled for Monday, September 26<sup>th</sup>

8/22/2016

**TA Allocations  
FY 2016 - 17**

BCoE Dept	2015-16		2016-17							TA Allocations 30% Incoming PhD & Dom MS Students	
	Final TA Allocations 30% Incoming PhD & Dom MS Students	283,277	Incoming PhD & Dom MS Fall 2016		Undergrad Workload FTE AY 2015-16		Base TA Allocations 2016-17		Supplemental MSE PhD Student Allocation		
			Number	% of Total	Number	% of total	Factor	Allocation	Number		Amount
BIEN			12.0	7%	120.78	8%	0.07	212,975	1	5,023	217,998
CEE			25.0	14%	234.33	15%	0.14	421,566	2	10,046	431,612
CSE			55.5	31%	688.44	43%	0.39	1,151,158			1,151,158
ECE			36.5	20%	286.98	18%	0.19	544,921	4	20,092	565,012
ME			30.0	17%	273.24	17%	0.17	495,698	8	40,184	535,881
MS&E			22.0	12%	2.67	0%	0.04	110,505			110,505
Total			181.0	100%	1,606.44	100%	1.00	2,936,822	15	75,345	3,012,167

**Weighted Average:**

Incoming PhD/Dom MS: 30%  
Undergrad Workld FTE: 70%

FY 16-17 TA Funds Available: 2,936,822

MSE Grad Student Supplement: 5,023

Note: Incoming CEN students are split evenly between CSE and ECE

**UCOP GSR Allocations**  
**FY 2015/16 and FY 2016/17**

Dept	FY 15/16 UCOP Allocations	Total Grad Students		FY 16/17 Base UCOP Allocation	Supplemental MSE Grad Student Allocation		Less Perm Budget Reductions	Final FY 16/17 UCOP Allocation
		FY 14/15	FY 15/16		Number	Amount		
BIEN	42,181	91	96	36,044	2	751		36,795
CEE	17,195	97	95	35,668	10	3,755	28,615	10,808
CSE	-23,132	180.5	200.5	75,279				75,279
ECE	76,425	153.5	172.5	64,766	11	4,130		68,896
ME	42,635	76	71	26,657	15	5,632		32,289
MSE	29,935	66	78	29,286				29,286
<b>Total</b>	<b>185,239</b>	<b>664</b>	<b>713</b>	<b>267,701</b>	<b>38</b>	<b>14,267</b>	<b>28,615</b>	<b>253,353</b>

Note: UCOP Allocations are based on the proportion of grad students enrolled in departments (in the previous fiscal year) to the total funds available (\$297,446 less 10% withheld by Dean's Office)

Total UCOP funds allocated to departments: 267,701

FY 16/17 Supplemental MSE Grad Student Allocation: 375 per MSE Grad Student

Note: CEN students are split evenly between CSE and ECE

# Bourns College of Engineering

*We Engineer Excellence*

Enrollment updates

Chairs' Meeting 08/22/2016

## College statistics as of 08/19/2016

	APPLICANT				ADMIT				NET S/R				ENROLL			
	Fall 2016 as of 8/19/16	Fall 2015 as of 8/19/15	# Diff	% Diff	Fall 2016 as of 8/19/16	Fall 2015 as of 8/19/15	# Diff	% Diff	Fall 2016 as of 8/19/16	Fall 2015 as of 8/19/15	# Diff	% Diff	Fall 2016 as of 8/19/16	Fall 2015 as of 8/19/15	# Diff	% Diff
<b>TOTAL</b>	53,530	48,063	5,467	11.5%	34,034	27,303	7,247	26.6%	8,532	8,674	-142	-1.6%	5,434	4,086	1,348	33.0%
Bourns College of Engineering	10,665	8,786	1,869	21.2%	5,266	3,865	1,390	36.0%	845	663	182	27.5%	671	460	191	39.8%
Freshmen	8,650	7,173	1,377	19.2%	4,549	3,243	1,301	40.1%	691	483	198	41.0%	571	450	151	33.8%
CA Resident	7,118	6,252	866	13.9%	3,979	2,848	927	31.4%	660	467	193	41.3%	650	465	185	39.8%
Direct/New	7,118	6,252	866	13.9%	3,979	2,848	927	31.4%	660	467	193	41.3%	650	465	185	39.8%
International	1,008	701	307	43.8%	386	210	185	88.1%	17	11	6	54.5%	17	10	7	70.0%
Direct/New	1,008	701	307	43.8%	386	210	185	88.1%	17	11	6	54.5%	17	10	7	70.0%
Out of State	424	220	204	92.7%	279	90	189	210.0%	4	5	-1	-20.0%	4	5	-1	-20.0%
Direct/New	424	220	204	92.7%	279	90	189	210.0%	4	5	-1	-20.0%	4	5	-1	-20.0%
Transfers	2,115	1,623	492	30.3%	707	618	89	14.4%	164	180	-16	-8.9%	0	0	0	n/a
CA Resident	1,862	1,415	447	31.6%	625	532	93	17.5%	152	164	-12	-7.3%	0	0	0	n/a
Direct/New	1,862	1,415	447	31.6%	625	532	93	17.5%	152	164	-12	-7.3%	0	0	0	n/a
Return	0	0	0	n/a	0	0	0	n/a	0	0	0	n/a	0	0	0	n/a
International	217	104	113	108.7%	77	84	-7	-8.3%	11	26	-15	-57.7%	0	0	0	n/a
Direct/New	217	104	113	108.7%	77	84	-7	-8.3%	11	26	-15	-57.7%	0	0	0	n/a
Out of State	35	24	11	45.8%	5	2	3	150.0%	1	0	1	n/a	0	0	0	n/a

UCR

## College statistics as of 08/19/2016

BCOE Freshmen										
	Applicant		Admit		Gross SIR		Net SIR		Enrolled	
	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015
White	1134	908	757	480	110	84	97	74	96	74
Unknown	154	96	109	72	13	9	11	7	11	7
Non-Resident Alien	530	405	216	121	21	11	15	10	15	10
Multi-Racial	484	403	295	202	52	35	48	28	48	28
Hispanic/Latino	2703	2249	1023	665	274	141	248	128	244	127
Hawaiian/Pacific Islander	8	12	1	2	0	0	0	0	0	0
Asian	3268	2890	2070	1658	321	262	252	227	247	225
American Indian/Alaskan Native	2	5	0	0	0	0	0	0	0	0
African American/Black	267	205	78	48	16	9	10	9	10	9
Total	8550	7173	4549	3248	807	551	681	483	671	480

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## College statistics as of 08/19/2016

BCOE Transfers										
	Applicant		Admit		Gross SIR		Net SIR		Enrolled	
	2016	2015	2016	2015	2016	2015	2016	2015	2016	2015
White	479	392	173	148	47	54	40	45	0	0
Unknown	33	17	13	7	3	3	1	1	0	0
Non-Resident Alien	207	177	77	84	12	29	11	26	0	0
Multi-Racial	136	111	37	36	16	17	15	15	0	0
Hispanic/Latino	556	399	182	167	68	60	56	50	0	0
Hawaiian/Pacific Islander	2	0	0	0	0	0	0	0	0	0
Asian	644	489	211	170	48	57	36	42	0	0
American Indian/Alaskan Native	3	1	0	0	0	0	0	0	0	0
African American/Black	55	37	14	6	5	1	5	1	0	0
Total	2115	1623	707	618	199	221	164	180	0	0

UCR



## College statistics as of 08/01/2016

COLLEGE	APPLIED				ADMITTED			
	Fall 2015	Fall 2016	# DIFF.	% DIFF.	Fall 2015	Fall 2016	# DIFF.	% DIFF.
College of Engineering	8,796	10,565	1869	21.2%	3,869	5,244	1375	35.6%
Freshman	7,173	8,550	1377	19.2%	3,250	4,536	1286	39.6%
Transfer	1,623	2,115	492	30.3%	619	708	89	14.4%
EAP	0	0	0	n/a	0	0	0	n/a
College of Humanities, Arts, and Social Sciences	22,468	25,306	2838	12.6%	14,081	17,882	3801	27.0%
Freshman	18,107	20,108	1999	11.0%	10,598	13,740	3142	29.6%
Transfer	4,361	5,200	839	19.2%	3,483	4,142	659	18.9%
EAP	0	0	0	n/a	0	0	0	n/a
College of Natural and Agricultural Sciences	15,377	16,095	718	4.7%	8,699	10,872	2173	25.0%
Freshman	13,220	13,967	747	5.7%	7,755	9,988	2243	28.9%
Transfer	2,157	2,128	-29	-1.3%	944	874	-70	-7.4%
EAP	0	0	0	n/a	0	0	0	n/a
School of Business Administration	1,417	1,520	103	7.3%	731	270	-461	-63.1%
Freshman	1,417	1,520	103	7.3%	731	270	-461	-63.1%
Transfer	0	0	0	n/a	0	0	0	n/a
EAP	0	0	0	n/a	0	0	0	n/a
<b>TOTAL*</b>	<b>48,058</b>	<b>53,586</b>	<b>5528</b>	<b>11.5%</b>	<b>27,380</b>	<b>34,268</b>	<b>6888</b>	<b>25.2%</b>

UCR

## College statistics as of 08/01/2016

COLLEGE	ACCEPTED				ENROLLED			
	Fall 2015	Fall 2016	# DIFF.	% DIFF.	Fall 2015	Fall 2016	# DIFF.	% DIFF.
College of Engineering	694	861	167	24.1%	343	450	107	31.2%
Freshman	502	687	185	36.9%	343	450	107	31.2%
Transfer	192	174	-18	-9.4%	0	0	0	n/a
EAP	0	0	0	n/a	0	0	0	n/a
College of Humanities, Arts, and Social Sciences	3,083	3,793	710	23.0%	1,363	1,335	-28	-2.1%
Freshman	2,173	2,827	654	30.1%	1,361	1,335	-28	-1.9%
Transfer	910	966	56	6.2%	2	0	-2	-100.0%
EAP	0	0	0	n/a	0	0	0	n/a
College of Natural and Agricultural Sciences	1,842	2,309	467	25.4%	1,079	1,129	50	4.6%
Freshman	1,623	2,137	514	31.7%	1,079	1,129	50	4.6%
Transfer	219	172	-47	-21.5%	0	0	0	n/a
EAP	0	0	0	n/a	0	0	0	n/a
School of Business Administration	162	200	38	23.5%	0	0	0	n/a
Freshman	162	200	38	23.5%	0	0	0	n/a
Transfer	0	0	0	n/a	0	0	0	n/a
EAP	0	0	0	n/a	0	0	0	n/a
<b>TOTAL*</b>	<b>5,781</b>	<b>7,163</b>	<b>1382</b>	<b>23.9%</b>	<b>2,785</b>	<b>2,914</b>	<b>129</b>	<b>4.6%</b>

UCR

## College statistics as of 08/01/2016

BY LEVEL	APPLIED				ADMITTED			
	Fall 2015	Fall 2016	# DIFF.	% DIFF.	Fall 2015	Fall 2016	# DIFF.	% DIFF.
Freshman	38,560	42,623	4123	10.7%	21,603	28,274	6671	30.8%
Transfer	9,558	10,893	1405	14.7%	5,777	5,994	217	3.8%
<b>TOTAL*</b>	<b>48,058</b>	<b>53,586</b>	<b>5528</b>	<b>11.5%</b>	<b>27,380</b>	<b>34,268</b>	<b>6888</b>	<b>25.2%</b>

BY LEVEL	ACCEPTED				ENROLLED			
	Fall 2015	Fall 2016	# DIFF.	% DIFF.	Fall 2015	Fall 2016	# DIFF.	% DIFF.
Freshman	4,298	5,651	1353	31.5%	2,783	2,914	131	4.7%
Transfer	1,483	1,512	29	2.0%	2	0	-2	-100.0%
<b>TOTAL*</b>	<b>5,781</b>	<b>7,163</b>	<b>1382</b>	<b>23.9%</b>	<b>2,785</b>	<b>2,914</b>	<b>129</b>	<b>4.6%</b>

UCR

## Program statistics as of 08/01/2016

8/1/2016	APPLIED				ADMITTED				ACCEPTED				ENROLLED			
	Fall 2015	Fall 2016	# DIFF.	% DIFF.	Fall 2015	Fall 2016	# DIFF.	% DIFF.	Fall 2015	Fall 2016	# DIFF.	% DIFF.	Fall 2015	Fall 2016	# DIFF.	% DIFF.
<b>FRESHMAN</b>																
Bioengineering (BEM)	397	427	30	7.6%	311	496	175	56.3%	43	87	44	102.3%	36	61	25	69.4%
Bioengineering BS+MS (BEBM)	335	335	-	-12.4%	118	110	-8	-6.8%	12	8	-4	-50.0%	10	8	-2	-40.0%
Bus. Informatics (BUNI)	146	185	40	27.4%	203	124	-81	-39.9%	41	28	-12	-29.3%	23	17	-6	-26.1%
Chemical Egr. (CHEN)	323	423	100	31.0%	289	391	122	45.4%	38	72	34	89.5%	29	42	13	44.8%
Chem Egr BS+MS (CHBM)	137	142	5	3.6%	38	20	-18	-44.4%	5	2	-3	-60.0%	5	2	-3	-60.0%
Computer Egr (CFN)	595	744	149	24.1%	316	463	147	46.5%	71	85	14	19.7%	44	65	21	47.7%
Computer Egr BS+MS (CNBM)	431	489	58	13.5%	71	63	-8	-11.3%	5	2	-3	-60.0%	4	1	-3	-75.0%
Computer Science (ENCS)	1,431	1,854	423	29.6%	444	664	220	49.5%	41	72	31	75.6%	30	51	21	70.0%
Comp. Sci. BS+MS (CSBM)	660	753	93	14.1%	133	168	35	26.3%	13	12	-1	-7.7%	11	8	-3	-27.3%
Electrical Egr (ELEN)	358	448	90	24.3%	302	470	168	55.6%	61	108	47	77.0%	50	74	24	48.0%
Electrical Egr BS+MS (EBEM)	243	270	27	11.1%	41	48	7	17.1%	4	1	-3	-75.0%	3	1	-2	-66.7%
Environmental Egr (ENEN)	139	235	96	69.1%	213	273	60	28.2%	38	49	11	28.9%	26	32	6	23.1%
Enviro. Egr BS+MS (ENBM)	124	140	16	12.9%	28	26	-2	-7.1%	2	1	-1	-50.0%	2	1	-1	-50.0%
Materials Sci & Eng (MSE)	108	142	34	31.5%	110	119	9	8.2%	17	27	10	58.8%	11	19	8	72.7%
Mechanical Egr (MCEN)	1,137	1,359	222	19.5%	616	799	183	29.7%	86	129	43	50.0%	55	75	20	36.4%
Mech. Egr BS+MS (MCBM)	536	599	63	11.7%	77	94	17	22.1%	5	7	2	40.0%	4	5	1	25.0%
<b>Total</b>	<b>7,173</b>	<b>8,556</b>	<b>1,377</b>	<b>19.2%</b>	<b>3,260</b>	<b>4,636</b>	<b>1,376</b>	<b>42.2%</b>	<b>607</b>	<b>887</b>	<b>280</b>	<b>46.1%</b>	<b>343</b>	<b>450</b>	<b>107</b>	<b>31.2%</b>

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## Program statistics as of 08/01/2016

TRANSFER															
Bioengineering (BIEN)	113	143	30	26.5%	54	54	0	0.0%	29	15	-11	-42.3%	0	0	n/a
Bioengineering BS+MS (BEBM)	0	2	0	n/a	0	0	0	n/a	0	0	0	n/a	0	0	n/a
Bus. Informatics (BINF)	21	26	4	19.0%	3	8	3	150.0%	2	2	0	0.0%	0	0	n/a
Chemical Egr. (CHEN)	214	218	4	1.9%	98	121	23	23.5%	32	40	8	25.0%	0	0	n/a
Chem Egr BS+MS (CHBM)	0	1	1	n/a	0	0	0	n/a	0	0	0	n/a	0	0	n/a
Computer Egr (CEN)	103	138	30	27.8%	27	29	2	7.4%	12	11	-1	-8.3%	0	0	n/a
Computer Egr BS+MS (CNBM)	0	1	1	n/a	0	0	0	n/a	0	0	0	n/a	0	0	n/a
Computer Science (ENCS)	478	734	256	53.6%	125	177	52	41.6%	34	31	-3	-8.6%	0	0	n/a
Comp. Sci. BS+MS (CSBM)	2	6	4	100.0%	0	0	0	n/a	0	0	0	n/a	0	0	n/a
Electrical Egr (ELEN)	210	226	11	5.1%	88	83	-15	-15.3%	22	16	-7	-31.8%	0	0	n/a
Electrical Egr BS+MS (EEBM)	3	21	2	66.7%	0	0	0	n/a	0	0	0	n/a	0	0	n/a
Environmental Egr (ENEN)	38	61	3	5.2%	0	23	-1	-3.3%	6	3	-3	-50.0%	0	0	n/a
Enviro. Egr. BS+MS (ENBM)	0	1	1	n/a	0	0	0	n/a	0	0	0	n/a	0	0	n/a
Limited (EMLM)	8	8	0	0.0%	7	7	0	0.0%	7	7	0	0.0%	0	0	n/a
Materials Sci & Eng (MSE)	28	57	29	103.6%	20	27	-7	-6.9%	10	6	-4	-40.0%	0	0	n/a
Mechanical Egr (MCEN)	379	492	117	31.2%	149	176	27	18.1%	41	44	3	7.3%	0	0	n/a
Mech. Egr. BS+MS (MCBM)	0	1	1	n/a	0	0	0	n/a	0	0	0	n/a	0	0	n/a
Total	1,623	2,115	492	30.3%	619	706	89	14.4%	192	174	-18	-9.4%	0	0	n/a

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## Mathematics Advisor Exam (MAE) Results

In 2015 BCOE did not have ARC 35 students

Already have registered  
students with AIS 4000-4099

In 2015 did not have <4200

### MAE PLACEMENTS - FR only 2016-2017 (through 7/25/16)

	ALL	NA	BCOE	HS
ARC 35	1350	622	57	671
Math 4	435	0	0	435
Math 5	757	406	106	245
Math 6A	195	152	22	21
Math 22	196	0	0	196
Math 9A	444	264	156	24
Total MAEs	3377	1444	341	1592
AP Credit	0	0	0	0
Transfer Credit	0	0	0	0
AP and MAE	0	0	0	0
Transfer and MAE	0	0	0	0
Total Placements	3377	1444	341	1592
Avg Part 1 score	26.02	27.16	32.86	23.52
Avg Part 2 score	27.20	28.50	37.10	23.90

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