

Chemical & Biomedical Engineering Data Booklet

Fall Term 2011
Quality Enhancement
Review

Prepared by the Office of Institutional Research



Chemical & Biochemical Engineering
FALL TERM 2011

Most recent available statistics

		Report Page No(s)
Degrees Offered	9	1
Faculty	16	2
Majors (Fall 2010 Headcount)		
Undergraduate	108	3-9
Graduate - Masters	4	3-9
Graduate - Specialist	-	3-9
Graduate - Doctorate	20	3-9
Total	132	3-9
2010-2011 Degrees Awarded		
Bachelors	14	10-11
Masters	7	10-11
Specialist	-	10-11
Doctorate	2	10-11
Total	23	10-11
Average Class Size (Fall 2010)		
Undergraduate		
Lower - classroom	0.0	12
Upper - classroom	22.8	12
Graduate - classroom	8.2	12
Credit Hours - Annual (2010-2011)		
Fundable	2,301	13
Non-fundable	3	14
Total	2,304	15
University (fundable)	1,074,302	SIF*
2010-2011 Department Fundable Hours As Percent of University Fundable Hours	0.2%	calculated
Student FTE's- Annual (state fundable 2010-2011)		
Lower	0.9	13
Upper	43.8	13
Grad I	3.3	13
Grad II	12.8	13
Total	60.8	13
Credit Hours Percentages by Instructor Type (Fall 2009)		16
Faculty	73.6%	calculated
OPS Regular Faculty	0.0%	calculated
OPS Faculty Adjuncts	0.0%	calculated
Graduate Assistants	0.0%	calculated
A&P/USPS	0.0%	calculated
Phased Retirement	0.0%	calculated
Others	26.4%	calculated
Average Total Credit Hours Taught per Faculty FTE (All Hours, 2009-2010)		
Fall Term	78.6	16
Spring Term	65.8	16
Academic Year	144.4	calculated
Annual Student FTE's Taught by all Faculty (Fall & Spring total hrs converted to annual FTE's, 2009-2010)		20
Undergraduate (academic year hours/40)	47.5	calculated
Graduate (academic year hours/32)	11.6	calculated
Total	59.1	calculated

*Note: most statistics are based on the Chemical & Biochemical Engineering account 214xxx. Related accounts may not be included in expenditures and in faculty courses and hours taught. *SIF=Student Information File*

Chemical & Biomedical Engineering

Fall Term 2011

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**COLLEGE OF ENGINEERING
 CHEMICAL AND BIOMEDICAL ENGINEERING
 DEGREE PROGRAMS**

Major Name	Major Code	CIP Code	Degree Offered
Chemical Engineering	556010	140701	Bachelors
Chemical Engineering	556010	140701	Masters
Chemical Engineering	556010	140701	Doctorate
Major Name	Major Code	CIP Code	Degree Offered
Chemical - Environmental Engineering	556011	140701	Bachelors
Major Name	Major Code	CIP Code	Degree Offered
Chemical - Bioengineering	556012	140701	Bachelors
Major Name	Major Code	CIP Code	Degree Offered
Chemical - Materials Engineering	556013	140701	Bachelors
Major Name	Major Code	CIP Code	Degree Offered
Chemical - Biomedical Engineering	556014	140701	Bachelors
Major Name	Major Code	CIP Code	Degree Offered
Biomedical Engineering	556080	140501	Masters
Biomedical Engineering	556080	140501	Doctorate

Source: Degree Program Inventory, FSU and SUS

**COLLEGE OF ENGINEERING
CHEMICAL AND BIOMEDICAL ENGINEERING
FACULTY DEMOGRAPHICS**

Florida State University

				Admin.							
Last Name	First Name	Degree	Degree University	Code	Class & Title	Mo.	Tenure	FSU Hire	Gender	Race	Citizenship
Alamo	Rufina	Ph.D.	New Madrid County	99	9001 - Professor	9	1	2005-07-05	Female	Hispanic	U.S. Citizen
Chella	Ravindran	Ph.D.	University of Massachusetts	G1	9002 - Associate Professor	9	1	1986-10-17	Male	Asian	U.S. Citizen
Collier	John	Ph.D.	Case Western Reserve Univ.	D1	9001 - Professor	9	1	2006-10-16	Male	White	U.S. Citizen
Grant	Samuel	Ph.D.	University of Chicago	99	9003 - Assistant Professor	9	2	2006-01-09	Male	White	U.S. Citizen
Guan	Jingjiao	Ph.D.	Ohio State University	99	9003 - Assistant Professor	9	2	2008-08-08	Male	Other	Resident Alien
Kostov	Milen	Ph.D.	Pennsylvania State University	99	9003 - Assistant Professor	9	2	2006-08-09	Male	Other	Resident Alien
Locke	Bruce	Ph.D.	North Carolina State University	C1	9001 - Professor	9	1	1989-08-08	Male	White	U.S. Citizen
Ma	Teng	Ph.D.	Ohio State University	G1	9002 - Associate Professor	9	1	2000-08-08	Male	Asian	U.S. Citizen
Paravastu	Anant	Ph.D.	University Of California-Berkely	99	9003 - Assistant Professor	9	2	2008-01-02	Male	Asian	U.S. Citizen
Park	Hyunok	Ph.D.	University Of Florida	99	9162 - Asst Scholar/Scientist/Engineer	12	3	2010-01-04	Female	Asian	Resident Alien
Siegrist	Theo	Ph.D.	Swiss Fed Inst Of Tech, Zurich	99	9001 - Professor	9	1	2008-08-08	Male	White	U.S. Citizen
Telotte	John	Ph.D.	University Of Florida	99	9002 - Associate Professor	9	1	1985-08-06	Male	White	U.S. Citizen
Finney	Wright	Mast.	Florida State University	99	9166 - Research Associate	12	3	1995-08-21	Male	White	U.S. Citizen

Florida A&M University

				Admin.							
Last Name	First Name	Degree	Degree University	Code	Class & Title	Mo.	Tenure	Hire	Gender	Race	Citizenship
Kalu	Eqwu Eric	Ph.D.	Texas A&M Univ.	99	9002 - Associate Professor		1	1995-08-08	Male	Black	U.S. Citizen
Ramakrishnan	Subramanian	Ph.D.	Univ. of Illinois Urbana	99	9003 - Assistant Professor		2	2005-08-08	Male	Asian	Resident Alien
Schreiber	Loren B.	Ph.D.	California Institute of Tech.	99	Adjunct		3	2000-08-08	Male	White	U.S. Citizen

Administrative Codes:

D1 - Dean
C1 - Chair
G1 - Program Director
T1 - Director
99 - No Administrative Duties

Tenure Codes:

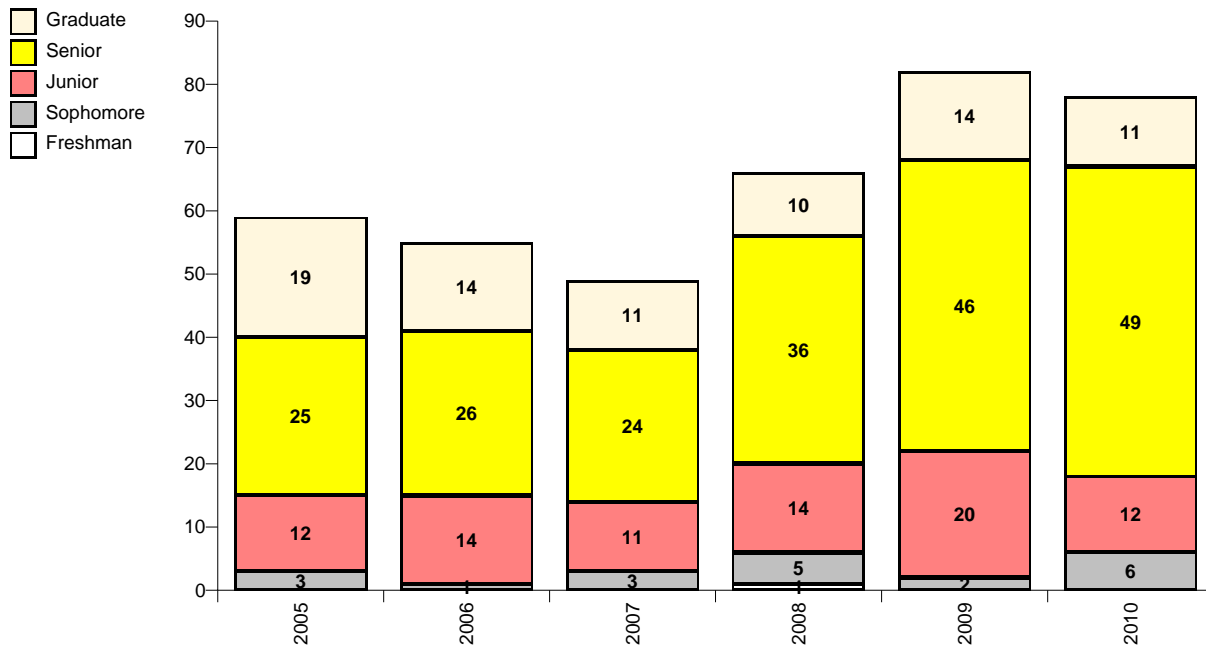
1 - Tenured
2 - Tenure-Earning
3 - Non-Tenured

Last Updated on June 14, 2011

**College of Engineering
Chemical and Biomedical Engineering
Enrollment by Fall Semester**

Chemical Engineering

556010



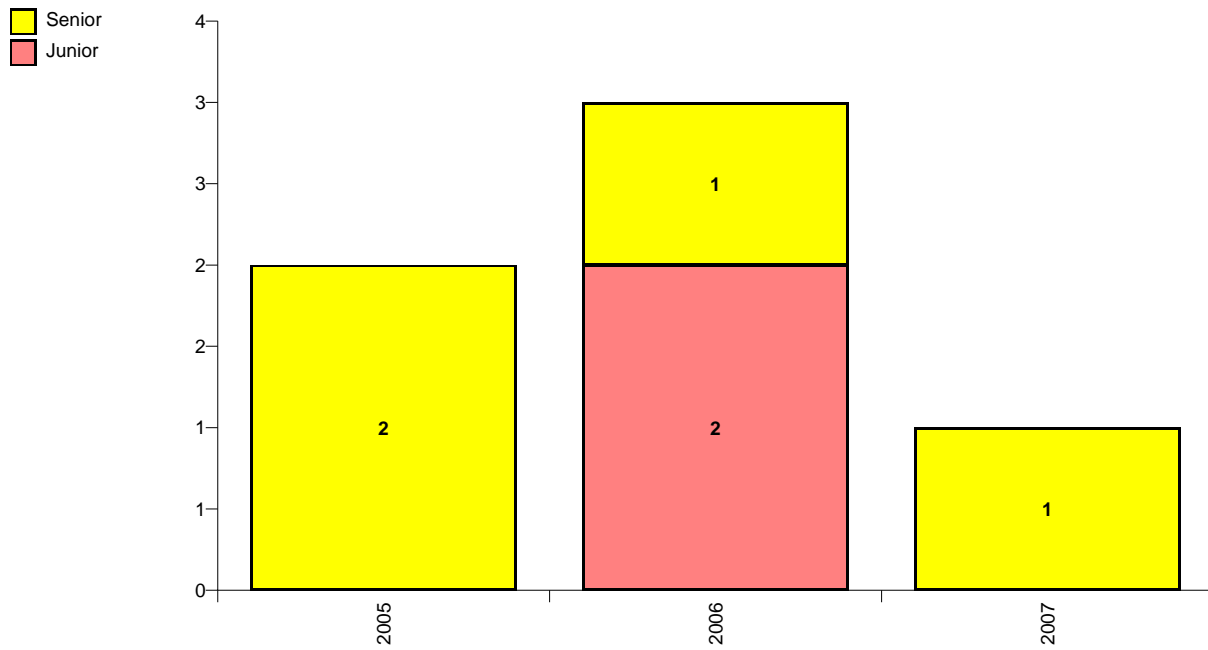
	2005	2006	2007	2008	2009	2010
Freshman				1		
Sophomore	3	1	3	5	2	6
Junior	12	14	11	14	20	12
Senior	25	26	24	36	46	49
Graduate - Masters	5	2		2	4	2
Graduate - Doctorate	14	12	11	8	10	9
Total	59	55	49	66	82	78

Source: Fall Preliminary Student Data Course Files

College of Engineering
 Chemical and Biomedical Engineering
 Enrollment by Fall Semester

Chemical-Bioengineering

556012



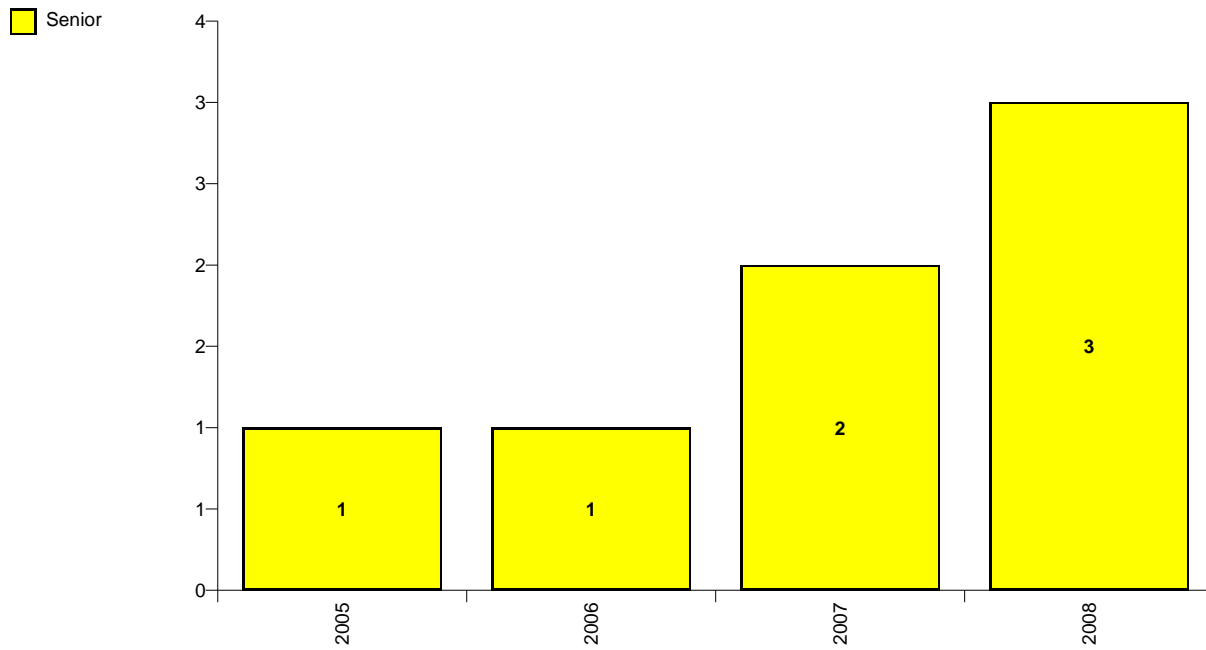
	2005	2006	2007
Junior		2	
Senior	2	1	1
Total	2	3	1

Source: Fall Preliminary Student Data Course Files

College of Engineering
 Chemical and Biomedical Engineering
 Enrollment by Fall Semester

Chemical-Materials Engineering

556013



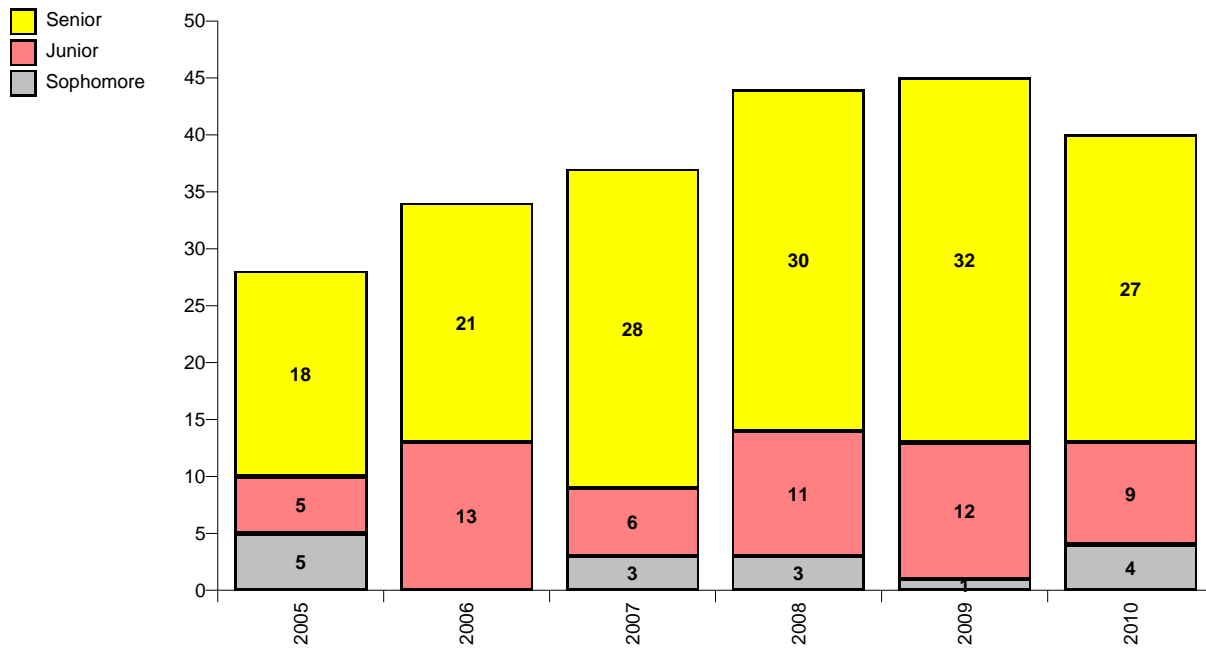
	2005	2006	2007	2008
Senior	1	1	2	3
Total	1	1	2	3

Source: Fall Preliminary Student Data Course Files

College of Engineering
Chemical and Biomedical Engineering
Enrollment by Fall Semester

Chemical-Biomedical Engineering

556014



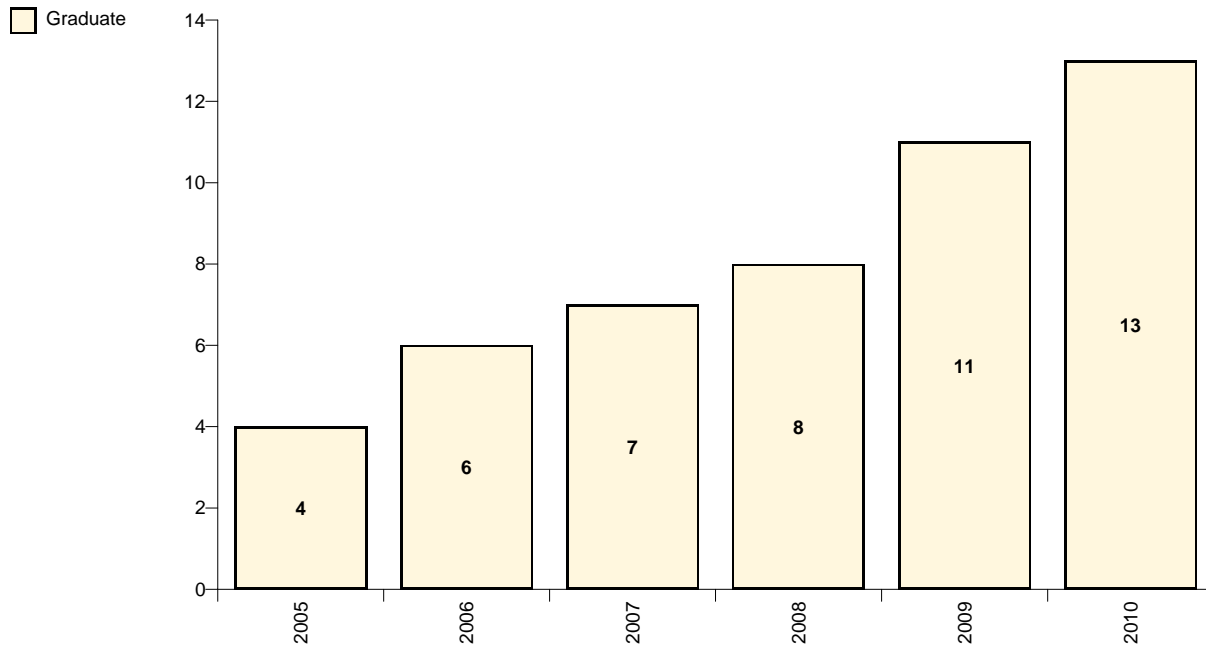
	2005	2006	2007	2008	2009	2010
Sophomore	5		3	3	1	4
Junior	5	13	6	11	12	9
Senior	18	21	28	30	32	27
Total	28	34	37	44	45	40

Source: Fall Preliminary Student Data Course Files

College of Engineering
Chemical and Biomedical Engineering
Enrollment by Fall Semester

Biomedical Engineering

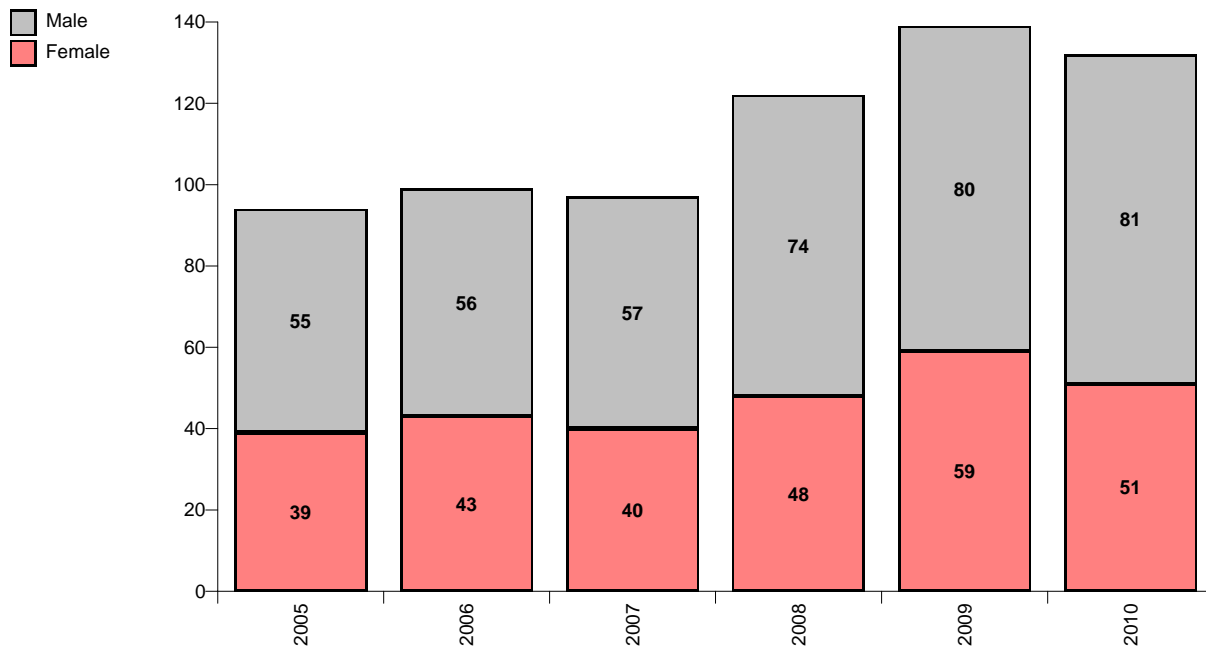
556080



	2005	2006	2007	2008	2009	2010
Graduate - Masters	2					2
Graduate - Doctorate	2	6	7	8	11	11
Total	4	6	7	8	11	13

Source: Fall Preliminary Student Data Course Files

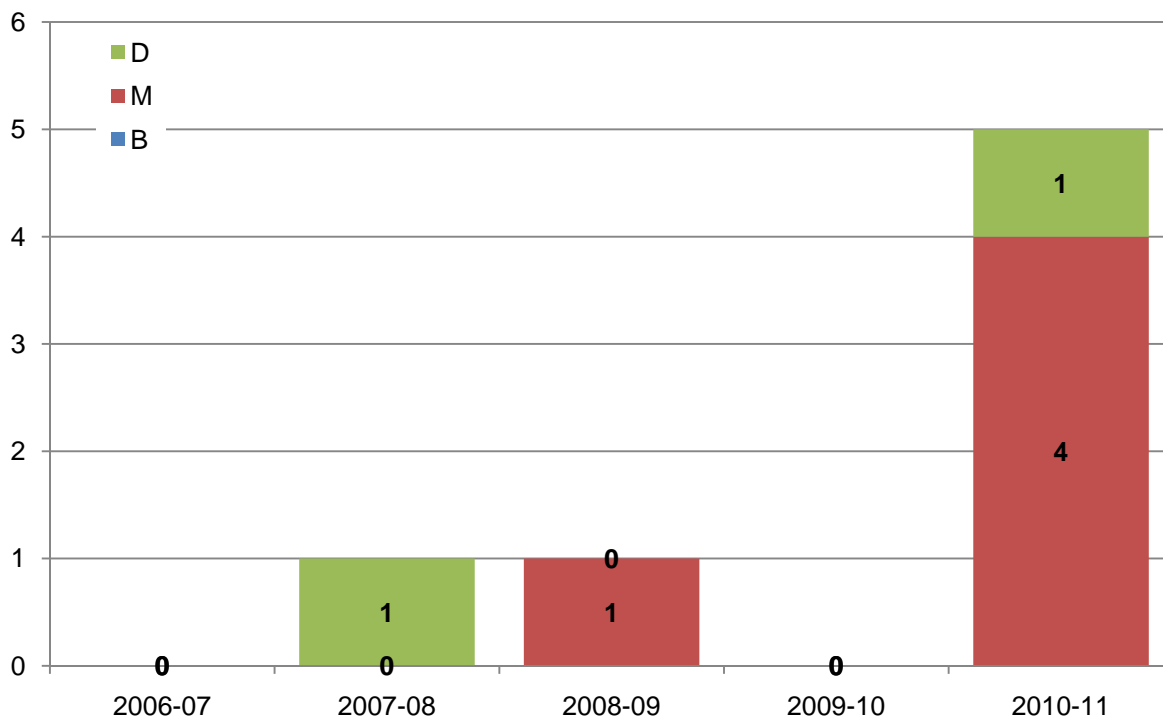
**College of Engineering
Chemical and Biomedical Engineering
Enrollment by Fall Semester**



		2005	2006	2007	2008	2009	2010
Female	Asian or Pacific Islander	6	7	4	3	3	4
	Black	5	8	11	7	7	4
	Hispanic	7	6	6	5	9	9
	Non-Resident Alien	6	7	5	5	8	7
	White	15	15	14	28	32	26
	Not Reported						1
	Female Total		39	43	40	48	59
Male	Asian or Pacific Islander	2	3	4	4	7	8
	Black	6	7	10	10	10	4
	Hispanic	10	11	9	15	15	14
	Non-Resident Alien	10	12	11	10	9	8
	White	27	22	23	35	39	45
	Not Reported		1				2
Male Total		55	56	57	74	80	81
Department Total		94	99	97	122	139	132

Source: Fall Preliminary Student Data Course Files

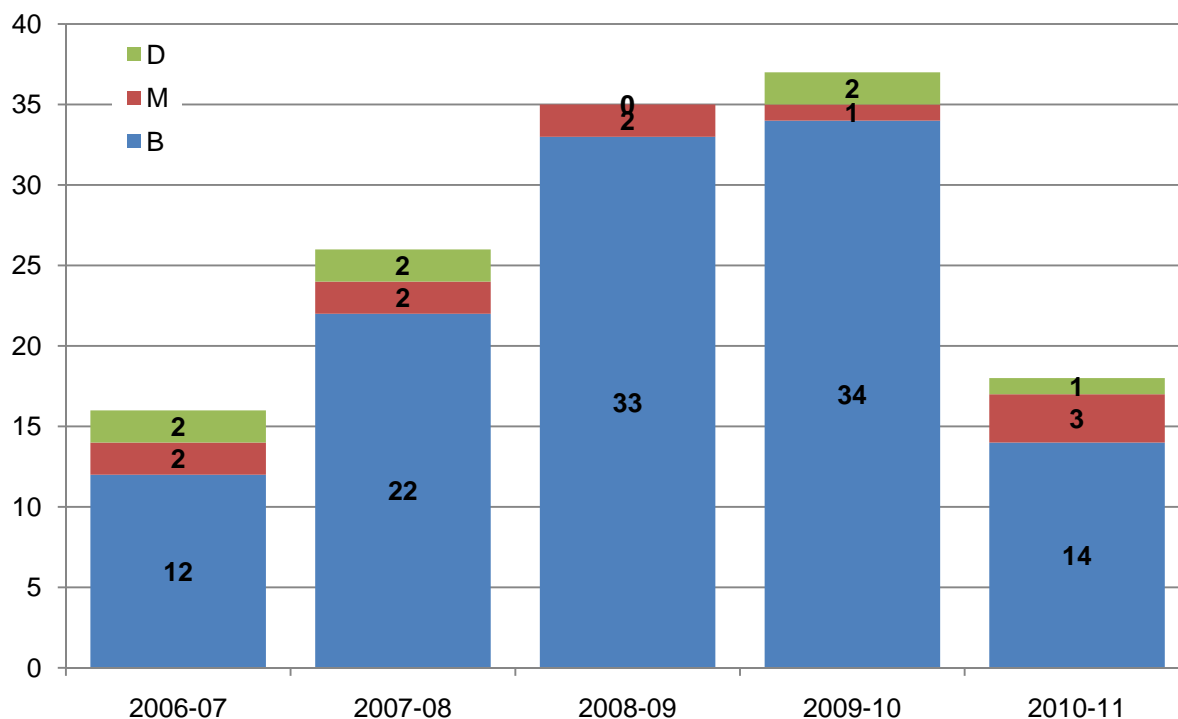
**COLLEGE OF ENGINEERING
 CHEMICAL AND BIOMEDICAL ENGINEERING
 DEGREES AWARDED BY SEMESTER
 CIP Code: 140501**



		Bachelors	Masters	Doctorate	Total
2006-07	Summer '06	0	0	0	0
	Fall '06	0	0	0	0
	Spring '07	0	0	0	0
2006-07	Total	0	0	0	0
2007-08	Summer '07	0	0	0	0
	Fall '07	0	0	1	1
	Spring '08	0	0	0	0
2007-08	Total	0	0	1	1
2008-09	Summer '08	0	1	0	1
	Fall '08	0	0	0	0
	Spring '09	0	0	0	0
2008-09	Total	0	1	0	1
2009-10	Summer '09	0	0	0	0
	Fall '09	0	0	0	0
	Spring '10	0	0	0	0
2009-10	Total	0	0	0	0
2010-11	Summer '10	0	0	0	0
	Fall '10	0	1	0	1
	Spring '11	0	3	1	4
2010-11	Total	0	4	1	5

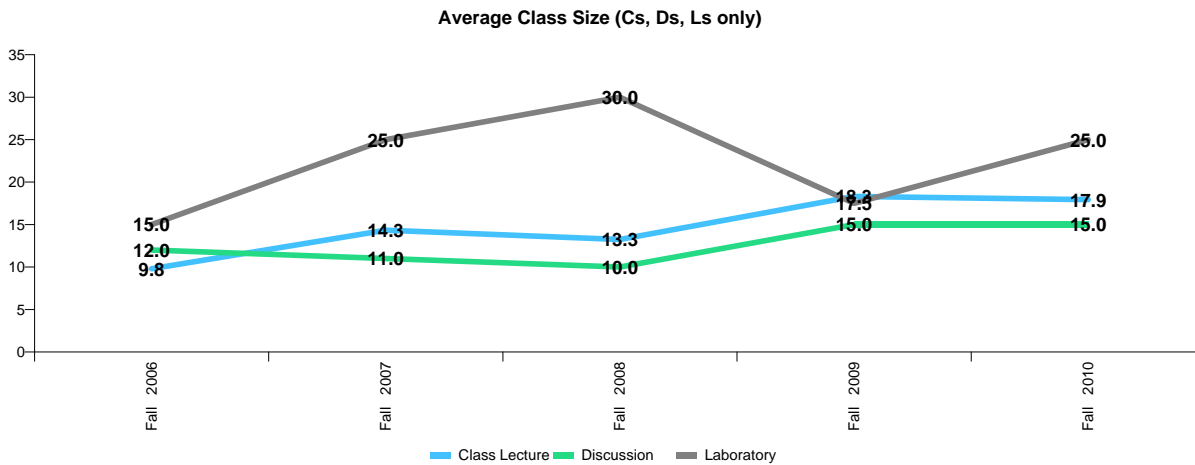
**COLLEGE OF ENGINEERING
CHEMICAL AND BIOMEDICAL ENGINEERING
DEGREES AWARDED BY SEMESTER**

CIP Code: 140701

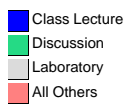


		Bachelors	Masters	Doctorate	Total
2006-07	Summer '06	3	0	0	3
	Fall '06	1	1	1	3
	Spring '07	8	1	1	10
2006-07	Total	12	2	2	16
2007-08	Summer '07	4	2	1	7
	Fall '07	0	0	0	0
	Spring '08	18	0	1	19
2007-08	Total	22	2	2	26
2008-09	Summer '08	4	1	0	5
	Fall '08	1	0	0	1
	Spring '09	28	1	0	29
2008-09	Total	33	2	0	35
2009-10	Summer '09	4	0	0	4
	Fall '09	1	0	0	1
	Spring '10	29	1	2	32
2009-10	Total	34	1	2	37
2010-11	Summer '10	3	0	0	3
	Fall '10	2	0	1	3
	Spring '11	9	3	0	12
2010-11	Total	14	3	1	18

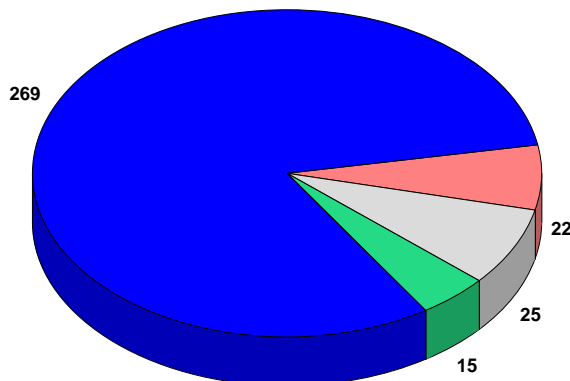
**COLLEGE OF ENGINEERING
CHEMICAL AND BIOMEDICAL ENGINEERING
AVERAGE CLASS SIZE**



		Class Lecture			Discussion			Laboratory		
		Enrollment	Number of Sections	Class Size	Enrollment	Number of Sections	Class Size	Enrollment	Number of Sections	Class Size
Fall 2006	Lower	18	1	18.0						
	Upper	139	9	15.4			15	1	15.0	
	Graduate	29	9	3.2	12	1	12.0			
	Total	186	19	9.8	12	1	12.0	15	1	15.0
Fall 2007	Lower	16	1	16.0						
	Upper	211	11	19.2			25	1	25.0	
	Graduate	31	6	5.2	11	1	11.0			
	Total	258	18	14.3	11	1	11.0	25	1	25.0
Fall 2008	Lower	18	1	18.0						
	Upper	220	12	18.3			30	1	30.0	
	Graduate	27	7	3.9	10	1	10.0			
	Total	265	20	13.3	10	1	10.0	30	1	30.0
Fall 2009	Upper	249	10	24.9			35	2	17.5	
	Graduate	44	6	7.3	15	1	15.0			
	Total	293	16	18.3	15	1	15.0	35	2	17.5
Fall 2010	Upper	228	10	22.8			25	1	25.0	
	Graduate	41	5	8.2	15	1	15.0			
	Total	269	15	17.9	15	1	15.0	25	1	25.0



Fall 2010 Enrollment by Class Type



**College of Engineering
Chemical and Biomedical Engineering
Fundable Student Credit Hours and FTE**

SCH Produced

Summer

Level	2007	2008	2009	2010
Upper	137	192	226	138
Grad 1	2	2	6	12
Grad II	2	2	45	60
Total	141	196	277	210

Fall

Level	2007	2008	2009	2010
Lower	32	36		
Upper	803	843	947	824
Grad 1		29	42	42
Grad II	159	141	177	177
Total	994	1,049	1,166	1,043

Spring

Level	2008	2009	2010	2011
Lower			30	36
Upper	771	931	906	790
Grad 1	2	24	54	51
Grad II	143	126	177	171
Total	916	1,081	1,167	1,048

Fall & Spring

Level	2007-08	2008-09	2009-10	2010-11
Lower	32	36	30	36
Upper	1,574	1,774	1,853	1,614
Grad 1	2	53	96	93
Grad II	302	267	354	348
Total	1,910	2,130	2,333	2,091

Annual

Level	2007-08	2008-09	2009-10	2010-11
Lower	32	36	30	36
Upper	1,711	1,966	2,079	1,752
Grad 1	4	55	102	105
Grad II	304	269	399	408
Total	2,051	2,326	2,610	2,301

Annual FTE Contribution

Summer

Level	2007	2008	2009	2010
Upper	3.4	4.8	5.7	3.5
Grad 1	0.1	0.1	0.2	0.4
Grad II	0.1	0.1	1.4	1.9
Total	3.6	4.9	7.2	5.7

Fall

Level	2007	2008	2009	2010
Lower	0.8	0.9		
Upper	20.1	21.1	23.7	20.6
Grad 1		0.9	1.3	1.3
Grad II	5.0	4.4	5.5	5.5
Total	25.8	27.3	30.5	27.4

Spring

Level	2008	2009	2010	2011
Lower			0.8	0.9
Upper	19.3	23.3	22.7	19.8
Grad 1	0.1	0.8	1.7	1.6
Grad II	4.5	3.9	5.5	5.3
Total	23.8	28.0	30.6	27.6

Fall & Spring

Level	2007-08	2008-09	2009-10	2010-11
Lower	0.8	0.9	0.8	0.9
Upper	39.4	44.4	46.3	40.4
Grad 1	0.1	1.7	3.0	2.9
Grad II	9.4	8.3	11.1	10.9
Total	49.7	55.3	61.1	55.0

Annual

Level	2007-08	2008-09	2009-10	2010-11
Lower	0.8	0.9	0.8	0.9
Upper	42.8	49.2	52.0	43.8
Grad 1	0.1	1.7	3.2	3.3
Grad II	9.5	8.4	12.5	12.8
Total	53.2	60.2	68.4	60.7

Note: Lower and Upper hours are divided by 40 to obtain annual FTE; for Graduate I and Graduate II, hours are divided by 32

Source: Final Student Instruction Files (SIF)

Distribution of Annual FTE by Semester Within Year

	2007-08	2008-09	2009-10	2010-11
Summer	6.9%	8.4%	10.6%	9.1%
Fall	48.5%	45.1%	44.7%	45.3%
Spring	44.7%	46.5%	44.7%	45.5%
Total	100.0%	100.0%	100.0%	100.0%

**College of Engineering
Chemical and Biomedical Engineering
Non-Fundable Student Credit Hours and FTE**

SCH Produced

Summer

Level	2007	2008	2009	2010
Upper	0	6	0	0
Grad 1	0	0	0	0
Grad II	0	0	0	0
Total	0	6	0	0

Fall

Level	2007	2008	2009	2010
Lower	0	0		
Upper	4	0	3	3
Grad 1		0	0	0
Grad II	0	0	0	0
Total	4	0	3	3

Spring

Level	2008	2009	2010	2011
Lower			0	0
Upper	0	3	0	0
Grad 1	0	0	0	0
Grad II	0	0	0	0
Total	0	3	0	0

Fall & Spring

Level	2007-08	2008-09	2009-10	2010-11
Lower	0	0	0	0
Upper	4	3	3	3
Grad 1	0	0	0	0
Grad II	0	0	0	0
Total	4	3	3	3

Annual

Level	2007-08	2008-09	2009-10	2010-11
Lower	0	0	0	0
Upper	4	9	3	3
Grad 1	0	0	0	0
Grad II	0	0	0	0
Total	4	9	3	3

Note: Lower and Upper hours are divided by 40 to obtain annual FTE; for Graduate I and Graduate II, hours are divided by 32

Source: Final Student Instruction Files (SIF)

Annual FTE Contribution

Summer

Level	2007	2008	2009	2010
Upper	0.0	0.2	0.0	0.0
Grad 1	0.0	0.0	0.0	0.0
Grad II	0.0	0.0	0.0	0.0
Total	0.0	0.2	0.0	0.0

Fall

Level	2007	2008	2009	2010
Lower	0.0	0.0		
Upper	0.1	0.0	0.1	0.1
Grad 1		0.0	0.0	0.0
Grad II	0.0	0.0	0.0	0.0
Total	0.1	0.0	0.1	0.1

Spring

Level	2008	2009	2010	2011
Lower			0.0	0.0
Upper	0.0	0.1	0.0	0.0
Grad 1	0.0	0.0	0.0	0.0
Grad II	0.0	0.0	0.0	0.0
Total	0.0	0.1	0.0	0.0

Fall & Spring

Level	2007-08	2008-09	2009-10	2010-11
Lower	0.0	0.0	0.0	0.0
Upper	0.1	0.1	0.1	0.1
Grad 1	0.0	0.0	0.0	0.0
Grad II	0.0	0.0	0.0	0.0
Total	0.1	0.1	0.1	0.1

Annual

Level	2007-08	2008-09	2009-10	2010-11
Lower	0.0	0.0	0.0	0.0
Upper	0.1	0.2	0.1	0.1
Grad 1	0.0	0.0	0.0	0.0
Grad II	0.0	0.0	0.0	0.0
Total	0.1	0.2	0.1	0.1

Distribution of Annual FTE by Semester Within Year

	2007-08	2008-09	2009-10	2010-11
Summer	0.0%	66.7%	0.0%	0.0%
Fall	100.0%	0.0%	100.0%	100.0%
Spring	0.0%	33.3%	0.0%	0.0%
Total	100.0%	100.0%	100.0%	100.0%

**College of Engineering
Chemical and Biomedical Engineering
Total Student Credit Hours and FTE**

SCH Produced

Summer

Level	2007	2008	2009	2010
Upper	137	198	226	138
Grad 1	2	2	6	12
Grad II	2	2	45	60
Total	141	202	277	210

Fall

Level	2007	2008	2009	2010
Lower	32	36		
Upper	807	843	950	827
Grad 1		29	42	42
Grad II	159	141	177	177
Total	998	1,049	1,169	1,046

Spring

Level	2008	2009	2010	2011
Lower			30	36
Upper	771	934	906	790
Grad 1	2	24	54	51
Grad II	143	126	177	171
Total	916	1,084	1,167	1,048

Fall & Spring

Level	2007-08	2008-09	2009-10	2010-11
Lower	32	36	30	36
Upper	1,578	1,777	1,856	1,617
Grad 1	2	53	96	93
Grad II	302	267	354	348
Total	1,914	2,133	2,336	2,094

Annual

Level	2007-08	2008-09	2009-10	2010-11
Lower	32	36	30	36
Upper	1,715	1,975	2,082	1,755
Grad 1	4	55	102	105
Grad II	304	269	399	408
Total	2,055	2,335	2,613	2,304

Annual FTE Contribution

Summer

Level	2007	2008	2009	2010
Upper	3.4	5.0	5.7	3.5
Grad 1	0.1	0.1	0.2	0.4
Grad II	0.1	0.1	1.4	1.9
Total	3.6	5.1	7.2	5.7

Fall

Level	2007	2008	2009	2010
Lower	0.8	0.9		
Upper	20.2	21.1	23.8	20.7
Grad 1		0.9	1.3	1.3
Grad II	5.0	4.4	5.5	5.5
Total	25.9	27.3	30.6	27.5

Spring

Level	2008	2009	2010	2011
Lower			0.8	0.9
Upper	19.3	23.4	22.7	19.8
Grad 1	0.1	0.8	1.7	1.6
Grad II	4.5	3.9	5.5	5.3
Total	23.8	28.0	30.6	27.6

Fall & Spring

Level	2007-08	2008-09	2009-10	2010-11
Lower	0.8	0.9	0.8	0.9
Upper	39.5	44.4	46.4	40.4
Grad 1	0.1	1.7	3.0	2.9
Grad II	9.4	8.3	11.1	10.9
Total	49.8	55.3	61.2	55.1

Annual

Level	2007-08	2008-09	2009-10	2010-11
Lower	0.8	0.9	0.8	0.9
Upper	42.9	49.4	52.1	43.9
Grad 1	0.1	1.7	3.2	3.3
Grad II	9.5	8.4	12.5	12.8
Total	53.3	60.4	68.5	60.8

Note: Lower and Upper hours are divided by 40 to obtain annual FTE; for Graduate I and Graduate II, hours are divided by 32

Source: Final Student Instruction Files (SIF)

Distribution of Annual FTE by Semester Within Year

	2007-08	2008-09	2009-10	2010-11
Summer	6.9%	8.7%	10.6%	9.1%
Fall	48.6%	44.9%	44.7%	45.4%
Spring	44.6%	46.4%	44.7%	45.5%
Total	100.0%	100.0%	100.0%	100.0%

Department of Chemical & Biomedical Engineering
All Student Credit Hours and Headcount Productivity
By Instructor Type

	Student						Student				
	FTE	Credit Hrs	SCH/FTE	Headcount	FTE		FTE	Credit Hrs	SCH/FTE	Headcount	FTE
Fall 2005						Spring 2006					
Faculty	7.00	390.0	55.7	104.0	14.9	Faculty	7.00	476.0	68.0	177.0	25.3
OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0	OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0
OPS Faculty Adjuncts	0.50	40.0	80.0	10.0	20.0	OPS Faculty Adjuncts	0.49	36.0	73.5	9.0	18.4
Graduate Assistants	3.29	72.0	21.9	24.0	7.3	Graduate Assistants	2.61	0.0	0.0	0.0	0.0
A & P / USPS	0.00	0.0	0.0	0.0	0.0	A & P / USPS	0.00	0.0	0.0	0.0	0.0
Others	2.78	394.0	141.7	155.0	55.8	Others	2.68	299.0	111.6	100.0	37.3
	13.57	896.0	66.0	293.0	21.6		12.78	811.0	63.5	286.0	22.4
Fall 2006						Spring 2007					
Faculty	9.50	335.0	35.3	103.0	10.8	Faculty	10.06	466.0	46.3	154.0	15.3
OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0	OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0
OPS Faculty Adjuncts	0.00	0.0	0.0	0.0	0.0	OPS Faculty Adjuncts	0.27	60.0	222.2	30.0	111.1
Graduate Assistants	2.87	0.0	0.0	0.0	0.0	Graduate Assistants	2.83	0.0	0.0	0.0	0.0
A & P / USPS	0.00	0.0	0.0	0.0	0.0	A & P / USPS	0.00	0.0	0.0	0.0	0.0
Others	2.67	427.0	159.9	144.0	53.9	Others	1.66	219.0	131.9	71.0	42.8
	15.04	762.0	50.7	247.0	16.4		14.82	745.0	50.3	255.0	17.2
Fall 2007						Spring 2008					
Faculty	10.00	582.5	58.2	177.0	17.7	Faculty	10.93	611.0	55.9	181.0	16.6
OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0	OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0
OPS Faculty Adjuncts	0.00	0.0	0.0	0.0	0.0	OPS Faculty Adjuncts	0.29	84.0	289.7	42.0	144.8
Graduate Assistants	2.53	0.0	0.0	0.0	0.0	Graduate Assistants	2.17	0.0	0.0	0.0	0.0
A & P / USPS	0.00	0.0	0.0	0.0	0.0	A & P / USPS	0.00	0.0	0.0	0.0	0.0
Others	1.81	385.5	213.0	144.0	79.6	Others	2.05	198.0	96.6	76.0	37.1
	14.34	968.0	67.5	321.0	22.4		15.44	893.0	57.8	299.0	19.4
Fall 2008						Spring 2009					
Faculty	8.88	592.5	66.7	173.5	19.5	Faculty	8.91	651.5	73.1	214.5	24.1
OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0	OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0
OPS Faculty Adjuncts	0.00	0.0	0.0	0.0	0.0	OPS Faculty Adjuncts	0.31	132.0	132.0	66.0	213.8
Graduate Assistants	2.93	0.0	0.0	0.0	0.0	Graduate Assistants	2.60	0.0	0.0	0.0	0.0
A & P / USPS	0.00	0.0	0.0	0.0	0.0	A & P / USPS	0.00	0.0	0.0	0.0	0.0
Others	2.51	302.5	0.0	113.5	0.0	Others	2.74	244.5	0.0	82.0	0.0
	14.32	895.0	62.5	287.0	20.0		14.56	1,028.0	70.6	362.5	24.9
Fall 2009						Spring 2010					
Faculty	10.85	853.0	78.6	268.0	24.7	Faculty	11.78	775.0	65.8	258.0	21.9
OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0	OPS Regular Faculty	0.00	0.0	0.0	0.0	0.0
OPS Faculty Adjuncts	0.00	0.0	0.0	0.0	0.0	OPS Faculty Adjuncts	0.22	136.0	619.6	68.0	309.8
Graduate Assistants	2.77	0.0	0.0	0.0	0.0	Graduate Assistants	3.70	0.0	0.0	0.0	0.0
A & P / USPS	0.00	0.0	0.0	0.0	0.0	A & P / USPS	0.00	0.0	0.0	0.0	0.0
Others	2.41	306.0	0.0	112.0	0.0	Others	2.42	203.0	0.0	71.0	0.0
	16.03	1,159.0	72.3	380.0	23.7		18.12	1,114.0	61.5	397.0	21.9

Chemical & Biomedical Engineering - Faculty Courses & Hours

Fall 2005- Spring 2006				Organized Classes (C,D,L)								
Faculty Member	Class	Pay	FTE	SCH		Total	Headcount		Total	Sections		Total
				UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.
CHELLA	9002	22	2.00	147.0	24.0	171.0	49.0	8.0	57.0	3.0	1.0	4.0
CHEN	9003	22	2.00	51.0	33.0	84.0	17.0	10.0	27.0	1.0	1.0	2.0
LOCKE	9001	22	2.00	15.0	18.0	33.0	5.0	5.0	10.0	1.0	1.0	2.0
MA	9003	22	2.00	66.0	27.0	93.0	17.0	8.0	25.0	3.0	1.0	4.0
PALANKI	9001	22	2.00	200.0	-	200.0	75.0	-	75.0	3.0	-	3.0
TELOTTE	9002	22	2.00	132.0	21.0	153.0	44.0	20.0	64.0	2.0	2.0	4.0
KOLAVENNU	9184	05	0.53	72.0	-	72.0	24.0	-	24.0	1.0	-	1.0
SHARMA	9002	06	0.99	76.0	-	76.0	19.0	-	19.0	2.0	-	2.0
ALAMO	9001	98	1.15	117.0	9.0	126.0	39.0	2.0	41.0	3.0	1.0	4.0
KALU	9002	98	0.92	138.0	-	138.0	57.0	-	57.0	4.0	-	4.0
KWON	9003	98	0.82	75.0	-	75.0	20.0	-	20.0	2.0	-	2.0
RAMAKRISHNAN	9003	98	2.04	66.0	24.0	90.0	22.0	29.0	51.0	1.0	2.0	3.0
SCHREIBER	9001	98	0.99	197.0	-	197.0	77.0	-	77.0	4.0	-	4.0
TOTALS				1,352.0	156.0	1,508.0	465.0	82.0	547.0	30.0	9.0	39.0
AVERAGE PER FACULTY				104.0	22.3	116.0	35.8	11.7	42.1	2.3	1.3	3.0

Chemical & Biomedical Engineering - Faculty Courses & Hours

Fall 2005- Spring 2006				Individualized (G,T,I,O,P,R,S,Z)								
Faculty Member	Class	Pay	FTE	SCH		Total	Headcount		Total	Sections		Total
				UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.
CHELLA	9002	22	2.00	-	-	-	-	-	-	-	-	-
CHEN	9003	22	2.00	-	3.0	3.0	-	1.0	1.0	-	1.0	1.0
LOCKE	9001	22	2.00	9.0	54.0	63.0	3.0	9.0	12.0	2.0	7.0	9.0
MA	9003	22	2.00	-	25.0	25.0	-	3.0	3.0	-	3.0	3.0
PALANKI	9001	22	2.00	-	41.0	41.0	-	7.0	7.0	-	5.0	5.0
TELOTTE	9002	22	2.00	-	-	-	-	-	-	-	-	-
KOLAVENNU	9184	05	0.53	-	-	-	-	-	-	-	-	-
SHARMA	9002	06	0.99	-	-	-	-	-	-	-	-	-
ALAMO	9001	98	1.15	6.0	28.0	34.0	2.0	4.0	6.0	2.0	3.0	5.0
KALU	9002	98	0.92	-	-	-	-	-	-	-	-	-
KWON	9003	98	0.82	-	33.0	33.0	-	3.0	3.0	-	3.0	3.0
RAMAKRISHNAN	9003	98	2.04	-	-	-	-	-	-	-	-	-
SCHREIBER	9001	98	0.99	-	-	-	-	-	-	-	-	-
TOTALS				15.0	184.0	199.0	5.0	27.0	32.0	4.0	22.0	26.0
AVERAGE PER FACULTY				7.5	30.7	33.2	2.5	4.5	5.3	2.0	3.7	4.3

Chemical & Biomedical Engineering - Faculty Courses & Hours

Fall 2005- Spring 2006				All Types								
Faculty Member	Class	Pay	FTE	SCH			Headcount		TOTAL HC	Sections		TOTAL #Sec.
				UGrad	Grad	TOTAL SCH	UGrad	Grad		UGrad	Grad	
CHELLA	9002	22	2.00	147.0	24.0	171.0	49.0	8.0	57.0	3.0	1.0	4.0
CHEN	9003	22	2.00	51.0	36.0	87.0	17.0	11.0	28.0	1.0	2.0	3.0
LOCKE	9001	22	2.00	24.0	72.0	96.0	8.0	14.0	22.0	3.0	8.0	11.0
MA	9003	22	2.00	66.0	52.0	118.0	17.0	11.0	28.0	3.0	4.0	7.0
PALANKI	9001	22	2.00	200.0	41.0	241.0	75.0	7.0	82.0	3.0	5.0	8.0
TELOTTE	9002	22	2.00	132.0	21.0	153.0	44.0	20.0	64.0	2.0	2.0	4.0
KOLAVENNU	9184	05	0.53	72.0	-	72.0	24.0	-	24.0	1.0	-	1.0
SHARMA	9002	06	0.99	76.0	-	76.0	19.0	-	19.0	2.0	-	2.0
ALAMO	9001	98	1.15	123.0	37.0	160.0	41.0	6.0	47.0	5.0	4.0	9.0
KALU	9002	98	0.92	138.0	-	138.0	57.0	-	57.0	4.0	-	4.0
KWON	9003	98	0.82	75.0	33.0	108.0	20.0	3.0	23.0	2.0	3.0	5.0
RAMAKRISHNAN	9003	98	2.04	66.0	24.0	90.0	22.0	29.0	51.0	1.0	2.0	3.0
SCHREIBER	9001	98	0.99	197.0	-	197.0	77.0	-	77.0	4.0	-	4.0
TOTALS				1,367.0	340.0	1,707.0	470.0	109.0	579.0	34.0	31.0	65.0
AVERAGE PER FACULTY				105.2	37.8	131.3	36.2	12.1	44.5	2.6	3.4	5.0

Chemical & Biomedical Engineering - Faculty Courses & Hours

Fall 2009 - Spring 2010				Organized Classes (C,D,L)								
Faculty Member	Class	Pay	FTE	SCH		Total	Headcount		Total	Sections		Total
				UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.
ALAMO	9001	22	1.99	90.0	-	90.0	30.0	-	30.0	2.0	-	2.0
CHELLA	9002	22	1.99	349.0	-	349.0	104.0	-	104.0	3.0	-	3.0
COLLIER	9001	22	1.99	210.0	-	210.0	70.0	-	70.0	2.0	-	2.0
GUAN	9003	22	1.90	30.0	15.0	45.0	10.0	29.0	39.0	1.0	3.0	4.0
KOSTOV	9003	22	1.99	90.0	24.0	114.0	30.0	8.0	38.0	1.0	1.0	2.0
LOCKE	9001	22	1.89	-	27.0	27.0	-	9.0	9.0	-	2.0	2.0
MA	9002	22	1.99	39.0	39.0	78.0	13.0	13.0	26.0	1.0	1.0	2.0
PARAVASTU	9003	22	1.99	170.0	-	170.0	44.0	-	44.0	3.0	-	3.0
SIEGRIST	9001	22	1.99	51.0	24.0	75.0	17.0	32.0	49.0	1.0	3.0	4.0
TELOTTE	9002	22	1.99	246.0	24.0	270.0	72.0	8.0	80.0	2.0	1.0	3.0
MEEKER	9001	06	0.22	136.0	-	136.0	68.0	-	68.0	2.0	-	2.0
KALU	9002	98	0.67	66.0	18.0	84.0	33.0	6.0	39.0	1.0	1.0	2.0
RAMAKRISHNAN	9003	98	1.00	144.0	-	144.0	48.0	-	48.0	2.0	-	2.0
SCHREIBER	9001	98	1.42	216.0	-	216.0	77.0	-	77.0	5.0	-	5.0
TOTALS				1,837.0	171.0	2,008.0	616.0	105.0	721.0	26.0	12.0	38.0
AVERAGE PER FACULTY				141.3	24.4	143.4	47.4	15.0	51.5	2.0	1.7	2.7

Chemical & Biomedical Engineering - Faculty Courses & Hours

Fall 2009 - Spring 2010				Individualized (G,T,I,O,P,R,S,Z)								
Faculty Member	Class	Pay	FTE	SCH		Total	Headcount		Total	Sections		Total
				UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.
ALAMO	9001	22	1.99	6.0	21.0	27.0	2.0	3.0	5.0	2.0	3.0	5.0
CHELLA	9002	22	1.99	-	15.0	15.0	-	2.0	2.0	-	2.0	2.0
COLLIER	9001	22	1.99	5.0	-	5.0	2.0	-	2.0	2.0	-	2.0
GUAN	9003	22	1.90	-	15.0	15.0	-	3.0	3.0	-	3.0	3.0
KOSTOV	9003	22	1.99	-	3.0	3.0	-	1.0	1.0	-	1.0	1.0
LOCKE	9001	22	1.89	3.0	57.0	60.0	1.0	8.0	9.0	1.0	7.0	8.0
MA	9002	22	1.99	-	57.0	57.0	-	9.0	9.0	-	6.0	6.0
PARAVASTU	9003	22	1.99	-	6.0	6.0	-	2.0	2.0	-	2.0	2.0
SIEGRIST	9001	22	1.99	-	-	-	-	-	-	-	-	-
TELOTTE	9002	22	1.99	12.0	-	12.0	4.0	-	4.0	4.0	-	4.0
MEEKER	9001	06	0.22	-	-	-	-	-	-	-	-	-
KALU	9002	98	0.67	32.0	3.0	35.0	11.0	1.0	12.0	3.0	1.0	4.0
RAMAKRISHNAN	9003	98	1.00	6.0	24.0	30.0	2.0	5.0	7.0	2.0	4.0	6.0
SCHREIBER	9001	98	1.42	-	-	-	-	-	-	-	-	-
TOTALS				64.0	201.0	265.0	22.0	34.0	56.0	14.0	29.0	43.0
AVERAGE PER FACULTY				10.7	22.3	24.1	3.7	3.8	5.1	2.3	3.2	3.9

Chemical & Biomedical Engineering - Faculty Courses & Hours

Fall 2009 - Spring 2010				All Types									
Faculty Member	Class	Pay	FTE	SCH		TOTAL	Headcount		TOTAL	Sections		TOTAL	
				UGrad	Grad	SCH	UGrad	Grad	HC	UGrad	Grad	#Sec.	
ALAMO	9001	22	1.99	96.0	21.0	117.0	32.0	3.0	35.0	4.0	3.0	7.0	
CHELLA	9002	22	1.99	349.0	15.0	364.0	104.0	2.0	106.0	3.0	2.0	5.0	
COLLIER	9001	22	1.99	215.0	-	215.0	72.0	-	72.0	4.0	-	4.0	
GUAN	9003	22	1.90	30.0	30.0	60.0	10.0	32.0	42.0	1.0	6.0	7.0	
KOSTOV	9003	22	1.99	90.0	27.0	117.0	30.0	9.0	39.0	1.0	2.0	3.0	
LOCKE	9001	22	1.89	3.0	84.0	87.0	1.0	17.0	18.0	1.0	9.0	10.0	
MA	9002	22	1.99	39.0	96.0	135.0	13.0	22.0	35.0	1.0	7.0	8.0	
PARAVASTU	9003	22	1.99	170.0	6.0	176.0	44.0	2.0	46.0	3.0	2.0	5.0	
SIEGRIST	9001	22	1.99	51.0	24.0	75.0	17.0	32.0	49.0	1.0	3.0	4.0	
TELOTTE	9002	22	1.99	258.0	24.0	282.0	76.0	8.0	84.0	6.0	1.0	7.0	
MEEKER	9001	06	0.22	136.0	-	136.0	68.0	-	68.0	2.0	-	2.0	
KALU	9002	98	0.67	98.0	21.0	119.0	44.0	7.0	51.0	4.0	2.0	6.0	
RAMAKRISHNAN	9003	98	1.00	150.0	24.0	174.0	50.0	5.0	55.0	4.0	4.0	8.0	
SCHREIBER	9001	98	1.42	216.0	-	216.0	77.0	-	77.0	5.0	-	5.0	
TOTALS				1,901.0	372.0	2,273.0	638.0	139.0	777.0	40.0	41.0	81.0	
AVERAGE PER FACULTY				135.8	33.8	162.4	45.6	12.6	55.5	2.9	3.7	5.8	

**Operating Budget E&G Position FTE and Rate Totals
By Pay Plan, Month Type, Filled/Vacant, and Rank**

College of Engineering

Chemical and Biomedical Engineering

		2006-07	2007-08	2008-09	2009-10	2010-11
Total All Pay Plans	FTE	4.00	9.88	7.00	7.00	8.00
	Person Years	2.34	4.16	5.23	5.23	6.23
	Current Rate	\$229,304	\$485,118	\$627,176	\$640,231	\$705,231
Filled 9- & 12-Month Faculty	FTE	2.00	3.00	7.00	6.00	7.00
	Person Years	1.49	2.24	5.23	4.48	5.48
	Current Rate	\$148,611	\$296,629	\$627,176	\$569,628	\$634,628
Vacant & Reserve Faculty	FTE	1.00	2.00		1.00	1.00
	Person Years	0.75	1.49		0.75	0.75
	Current Rate	\$71,093	\$138,547		\$70,603	\$70,603
Summer Faculty	FTE	1.00	4.88			
	Person Years	0.10	0.43			
	Current Rate	\$9,600	\$49,942			

Source: Office of Institutional Research

E & G Expenditures by Budget Category, By Major Object code, Departments within School

College of Engineering

Chemical and Biomedical Engineering

Category Code	Oject Code	2005-06	2006-07	2007-08	2008-09	2009-10
SALARY	FACULTY	\$599,530	\$361,633	\$451,785	\$623,194	\$598,164
	USPS	\$74,861				
	FRINGE BENEFITS	\$173,826	\$78,713	\$108,222	\$163,369	\$159,954
	OTHER SALARY	\$1,477				
SALARY		\$849,694	\$440,346	\$560,007	\$786,563	\$758,118
EXPENSE	CONSTRUCTION SUPPLIES				\$43	
	CONSULTING & OTHER				\$279	\$844
	EDUCATIONAL SUPPLIES			\$187		\$111
	EQUIPMENT & BOOKS		\$2,139	\$2,901	\$107	\$2,884
	EXPENSE OTHER			\$3		
	MAINT & HEATING SUPPLIES				\$34	\$1,248
	OFFICE SUPPLIES		\$110	\$1,508	\$2,401	\$1,588
	OTHER CURRENT CHARGES				\$200	\$504
	OTHER MATERIALS & SUPPLIES		\$77	\$1,192	\$275	\$420
	PRINTING			\$140	\$264	\$258
	RENTAL OF EQUIPMENT				\$717	
	REPAIRS & MAINTENANCE					\$7,588
	TRAVEL			\$3,000	\$2,219	
	POSTAGE					\$176
EXPENSE			\$2,326	\$8,931	\$6,539	\$15,621
OPS	FRINGE BENEFITS	\$5,824				
	FACULTY ADJUNCTS	\$71,053				
	GRAD ASST	\$91,098	\$5,007			\$12,965
	OPS OTHER	\$26,215				\$345
	STUDENT ASST	\$15,307				
	OPS FRINGE BENEFITS					\$5
OPS		\$209,497	\$5,007			\$13,315
OCO	EDUCATIONAL EQUIPMENT			\$1,821		
OCO				\$1,821		
	Department Total:	\$1,059,191	\$447,679	\$570,759	\$793,102	\$787,054

Program : Chemical & Biomedical Engineering

Number of students who entered the program between 1999 and 2009					Record the number who within the various time spans listed below completed degree within given number of years after enrolling								
	Number of entering doctoral students	Number of students who left the program without a master's or doctoral degree	Number of students who left the program after receiving a master's degree or specialist	Number of students admitted to doctoral candidacy	3 years or less	4 years	5 years	6 years	7 years	8 years	9 years	10 years or more	Number still enrolled after 10 years
1999-2000	3	1	2	1									
2000-2001	5	1	2	2			1	1					
2001-2002	8	2	1	6		1	3	1					
2002-2003	4	1	1	3		2							
2003-2004	6	2		4		1	3						
2004-2005	1		1	1									
2005-2006	5	1		4			2	1					
2006-2007	6		4	5			1						
2007-2008	5	2	1	3									
2008-2009	3			2									
2009-2010	6			2									

**Quality Enhancement Review
Unit Accomplishment Summary
Teaching and Research Overview
2009-2010**

**Name of Program:
Chemical and Biomedical Engineering**

Faculty member	Instructional assignment (%)	Number of organized courses taught (C,D,L)	Number of individualized courses (G,T,I,O,P,R,S,Z)	Instructional contact hours	Number of directed individual studies (DIS)	Number of PhD students supervised	Research assignment (%)	NRC-countable publications and/or creative products	ALL SOURCES			
									Number of proposals submitted	Number of proposals funded	Total grant funds awarded	Number of honors and awards
ALAMO		2.0	5.0	10.0								
CHELLA		3.0	2.0	12.0								
COLLIER		2.0	2.0	7.0								
GUAN		4.0	3.0	8.5								
KOSTOV		2.0	1.0	7.0								
LOCKE		2.0	8.0	14.0								
MA		2.0	6.0	13.5								
PARAVASTU		3.0	2.0	11.5								
STEGRIST		4.0	0.0	6.5								
TELOTTE		3.0	4.0	12.0								
KEEKER		2.0	0.0	4.0								
KALU		2.0	4.0	8.0								
RAMAKRISHNAN		2.0	6.0	12.0								
SCHREIBER		5.0	0.0	18.8								
SUM		38.0	43.0	144.8								
MEAN		2.7	3.1	10.3								
MEDIAN		2.0	2.5	10.8								

**Quality Enhancement Review
Unit Accomplishment Summary
Instructional Activities
2009-2010**

**Name of Program:
Chemical and Biomedical Engineering**

Faculty member	Instructional assignment (%)	Number of organized courses taught (C,D,L)	Total enrollment	Number of individualized courses (G,T,I,O,P,R,S,Z)	Total enrollment	Total instructional contact hours	Total student credit hours	Number of honors courses	Number of thesis/dissertation student committees
ALAMO		2.0	30.0	5.0	5	10.0	117.0		
CHELLA		3.0	104.0	2.0	2	12.0	364.0		
COLLIER		2.0	70.0	2.0	2	7.0	215.0		
GUAN		4.0	39.0	3.0	3	8.5	60.0		
KOSTOV		2.0	38.0	1.0	1	7.0	117.0		
LOCKE		2.0	9.0	8.0	9	14.0	87.0		
MA		2.0	26.0	6.0	9	13.5	135.0		
PARAVASTU		3.0	44.0	2.0	2	11.5	176.0		
STEGRIST		4.0	49.0	0.0	0	6.5	75.0		
TELOTTE		3.0	80.0	4.0	4	12.0	282.0		
KEEKER		2.0	68.0	0.0	0	4.0	136.0		
KALU		2.0	39.0	4.0	12	8.0	119.0		
RAMAKRISHNAN		2.0	48.0	6.0	7	12.0	174.0		
SCHREIBER		5.0	77.0	0.0	0	18.8	216.0		
SUM		38.0	721	43.0	56	144.8	2,273.0		
MEAN		3	52	3	4	10	162.4		
MEDIAN		2.0	46	2.5	3	10.8	135.5		