



# **COLORADO SCHOOL OF MINES**

**2012 - 2013**

## **Career Center Annual Report**



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## Executive Summary

Each year, the Colorado School of Mines Career Center collects data and analyzes the outcomes and recruiting activities at the Colorado School of Mines during the prior academic year. This report contains information for graduates from the 2012-2013 academic year including those who received their degrees in December 2012, May, June, and August of 2013.

During the 2012-2013 academic year, the Mines graduating class population was the largest to-date, with a prior year increase as follows: BS: 13.0%, MS/P: 12.1%, and PhD: 40.7% in graduates. The BS programs with the highest number of graduates were Mechanical Engineering, Petroleum Engineering, and Chemical Engineering. Another note of interest was that **14.9%** more women graduated from Mines than prior year, totaling 348 (versus 303 prior year).

In the 2012-2013 academic year the Mines Career Center saw a healthy correlation between the student/graduate participation and on-campus recruiting activity. The results of this solid activity as well as the Career Center efforts showed in the final outcomes rates. By the end of the 2012-2013 reporting year, **91%** of the BS graduates had positive outcomes, with MS/P achieving **95%** positive outcomes rate and PhD graduate cohorts achieving **98%** positive outcomes rate. Included in “positive outcomes” numbers are those committed to jobs in industry, government, military and those who are going to graduate school; in addition, there are those who report they are not looking for other reasons. Another category of “outcomes” for graduates are those international students who have not received positions with U.S. based companies, and who are assumed to return to utilize their education in their home countries following degree completion.

The overall average BS salary offer was **\$67,055**, a 1.6% increase over prior year. The MS graduates achieved an average salary of **\$77,116**, a 6.6% increase over prior year; while the salaries for PhD graduates had a 2.5% decrease over prior year, with an average salary of **\$80,201**. The latter salary decrease is due to increased academic and government research offers.

In 2012-2013, many regular employing organizations continued with their traditional number of recruiting activities and events. The campus tied the 2008 record for the largest Career Day in Mines history with the Fall 2012 event hosting **219** organizations, and the largest Spring Career Day with **203** organizations attending the 2013 event. Student participation for these events has progressively increased with over **3171** students, grads and alums attending in Fall 2012 and over **2300** in Spring 2013. This improvement is the result of both increased departmental and student outreach activities.

On-campus interviews during the Mines 2012 - 2013 academic year achieved overall high numbers, with 3,343 on-campus interviews held in Fall 2012 (compared to 3,265 in Fall 2011) and 933 on-campus interviews held in Spring 2013 (compared to 1,350 in Spring 2012), for a total of 4,336. Although the fall recruiting was strong, we are analyzing and implementing new strategies to increase the Spring interviews, due to the decrease.

The campus hosted a total of 130 company information sessions (compared to 104 in 2011-2012), which is a substantial 25% increase. Company information sessions are a vital activity for students to learn about a company, their job opportunities and the industry. Because much of the introductory information is presented in these sessions, this also cuts down on the interview time, allowing for more student interview slots.

Use of the DiggerNet online system to post positions for on-campus or other follow-up by companies increased with 920 companies entering 2,228 job postings in 2012-2013 (compared to 885 companies posting 2,102 jobs in 2011-2012). The Spring 2013 Virtual Career Fair held in April had 45 employers, with students submitting 675 resumes for open positions. This was a decrease from prior year. Finally, the 2012 Spring Launch Recruiting Event held at the end of April 2013 continued to provide a concentrated opportunity with 12 companies and 122 interviews completed by students that were still seeking an internship or full-time position late in the semester.

### Looking Forward

Although the Career Center is keeping an eye on the current and future hiring trend, employment, opportunities for Mines students and graduates are projected to continue to increase in the 2013-2014 academic year. The department will continue to build upon the prior success of the Faculty Relations Program and recruiting events, while looking for new and/or alternative programs and opportunities. New tracking initiatives should allow the department to continue to service the ever-increasing demand (internally and externally) for outcomes, salary, diversity, and recruiting data.

The Career Center will continue to be dedicated to providing instruction and to assisting students with such skills as resume and cover letter writing, interviewing, networking, using resources for in-depth employer research. The Career Center is currently working on a major update and expansion of the Mines Strategy: Tools for Engineering Your Job Search. This valuable publication, sponsored by ConocoPhillips, will be going into the 3rd edition, with new chapters on social media, building an electronic presence, business etiquette, working globally, diversity on the job, transitioning to the workforce, and more. The Career Center will be offering an important new course, Engineering Your Career Path, for Mines students starting Spring 2014. The curriculum for this course is based upon the Mines Strategy, and was created to provide the student with hands-on advanced career planning and job searching tools, as well as the skills for succeeding once the graduate has obtained the position. The response and feedback thus far has been very positive.

The Mines Career Center will also strive to expand and develop the network of dedicated employers related to the Mines "Earth, Energy and Environment" mission, through continued diligent efforts to ensure that the growth which Colorado School of Mines has had in recent years will help students and recent graduates to move forward on their career paths.

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The Colorado School of Mines Career Center's mission is to assist students in developing the lifelong skills critical for the effective transition from college to career. This transition from student to professional is integral to both the success of Mines graduates and to the mission of Mines as an institution. The Career Center staff functions as an educational office to instruct all Colorado School of Mines students and recent graduates in specific professional development and job search skills specifically to enable and empower each student to take personal responsibility for the management of his/her own career.

The Colorado School of Mines Career Center strives to be a valuable resource for the Mines community and an example of professionalism in career services. The following is a partial list of services and outreach activities which the Career Center has performed during the 2012-2013 academic year to increase student opportunities:

1. Interdepartmental collaborations to increase employer support
2. Two Career Day events for students and employers - September and February
3. Two Virtual Career Fair events - November and April
4. Two end-of-semester networking /interview events (TNT and Spring Launch)
5. Coordination of arrangements for employer visits for on-campus interviews and information sessions, requesting space across campus for students' needs
6. Maintenance and updating of DiggerNet, customized online recruiting system
7. More than 50 career skills workshops for students, including open attendance, for student organizations, and faculty-requested classroom presentations
8. Individualized career counseling, including choice of major
9. Job search skills utilizing the Mines DiggerNet system and other resources
10. Instruction in effective company research prior to applications
11. Resume, CV, and cover letter reviews, from freshman through PhD
12. Practice interviews, utilizing videotaping or direct coaching methods
13. Contract evaluation and salary/other negotiation discussions
14. Presentations at new student events including Discover Mines and Orientation
15. Maintenance of <http://careers.mines.edu> with extensive career resources
16. Two professional development employer workshops
17. Site visits and marketing to Colorado employers to educate and advocate for Mines' majors, ensuring continuance as a "top tier" school for recruiters
18. Create third, expanded edition of The Mines Strategy: Tools for Engineering Your Job Search
19. Outreach to faculty to facilitate advisement sessions that discuss careers
20. Compilation of more than 30 adhoc reports requested by both administrative and academic departments, as well as by campus donors
21. Publication of this Colorado School of Mines Career Center Annual Report, utilized by the Mines community, employers, and other interested individuals



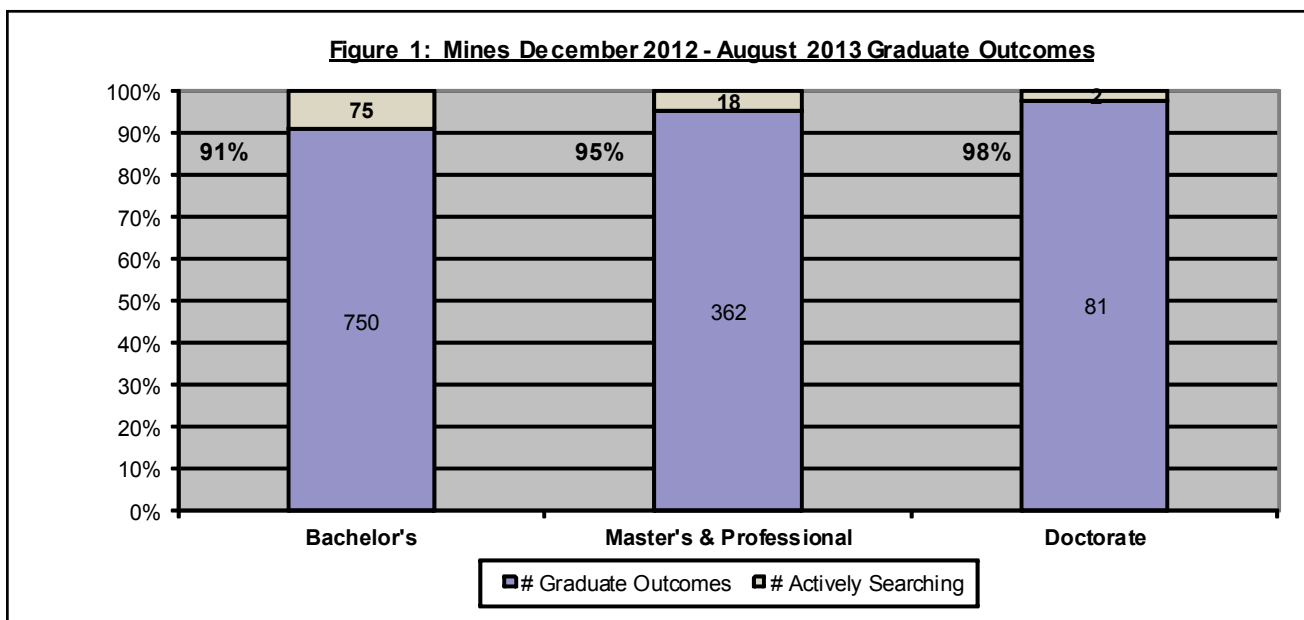
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### Graduating Class Outcomes

Outcomes reported for the Colorado School of Mines graduating class of 2012-2013 maintained a healthy rating with Bachelors reporting **91%**, Masters noting **95%**, and Doctoral graduates with a very positive **98%** outcomes report. This compares to the 2011-2012 ratings of 90% BS, 94% MS, and 95% PhD. Not only is the Mines degree confirmed as a good investment, but the students' proactive approach to job searching skills is to be recognized.

These figures reflect outcomes which include positions in the workforce (industry, government or military settings), and those choosing to go on to graduate school; in addition, other students considered "accounted for" are international students expected to return to their home country after graduation, and recent graduates stating they are not actively seeking employment at this time for a variety of personal reasons. These latter students are encouraged to contact staff of the Career Center at Mines when ready to actively pursue positions relevant to their majors. The MS term used throughout this report refers to Master of Science, and also Professional Master's or Master of Engineering degrees. Figure 1, below, depicts the ratio of current outcomes versus those actively searching for a position for the Mines 2012-2013 BS, MS/P, and PhD graduates.



Historically, around 55% of Mines graduates have remained to work in Colorado. This year, **51%** of total Mines graduates accepting positions in industry or government, stayed in Colorado, compared with 52% in 2011-2012. By degree level, BS: 51%, MS/P: 56%, and PhD: 43% graduates remained in Colorado. Other top locations reported included Texas (16% of total industry-bound graduates), and California (4%).

## 2012-2013 Colorado School of Mines Career Center Annual Report

Included in the outcomes are **18%** of BS graduates choosing to go on to graduate school as their next career step, compared to 20% in 2011-12, 24% in 2010-11, 26% in 2009-10, and 32% after graduation in 2008-09. In addition to BS graduates, **14%** of Master's will seek advanced degrees compared to 15% noted for the last two years. Of these BS and MS graduates, **73%** chose Mines (72% BS, 75% MS), compared to 61% last year, 78% in 2010-2011, and 70% in 2009-2010. Among the other educational institutions chosen, the following are included: Columbia, MIT, Michigan State, Purdue, Stanford, University of California, and University of Texas. In addition to those who are studying with an engineering focus, 7 BS graduates stated plans for additional education in biomedical/health fields with 2 noting acceptance to medical school. Finance and actuarial programs are also being pursued.

Fourteen PhDs remain in academia with teaching or research roles; 7 are here at Mines while others went to universities in Germany and Australia, Alaska, Utah, South Dakota, and Boulder. Nine PhDs are involved with government labs such as Idaho National Lab, Lawrence Berkeley National Lab, Los Alamos, Knolls Atomic Power Lab, National Institute of Standards and Technology (NIST), and National Renewable Energy Lab (NREL).

A total of **18** 2012-2013 graduates have entered a career in the military services. Three Mines graduates (2 MS and 1 BS) have chosen to join the Peace Corps; others reported other service activities on graduation, and will resume a job search in their area of study on return. Figure 2, below demonstrates the effects of recent trends in the last ten years on the career outcomes for Mines graduates, specified by degree levels.

Figure 2: Mines 10-Year Outcomes Perspective



## Outcomes and Salary Surveys

### Industry Data

Figure 3 below shows the most active hiring trends by industries in 2012-2013, as reported by job-seeking graduates who have accepted positions with U.S. based organizations. The oil/gas industry continued to be the strongest, hiring from all of Mines' academic departments. Of the **856** industry or government jobs accepted, **272** (or 32%) were with this industry. There was also a gain in jobs dealing with infrastructure, as construction/consulting total accepted positions rose to **200** from 104 in the 2011-2012 report. Table 1 offers the perspective of jobs accepted with industry vs. with government agencies.

### 2012-2013 Highlights

**51%** of BS graduates accepting industry or government positions stayed in CO.

**73%** of BS grads pursuing a MS degree chose Mines for their graduate school.

**877 total** salary offers were reported by BS, MS, and PhD graduates.

Figure 3: Accepted Positions by Industry 2012-2013

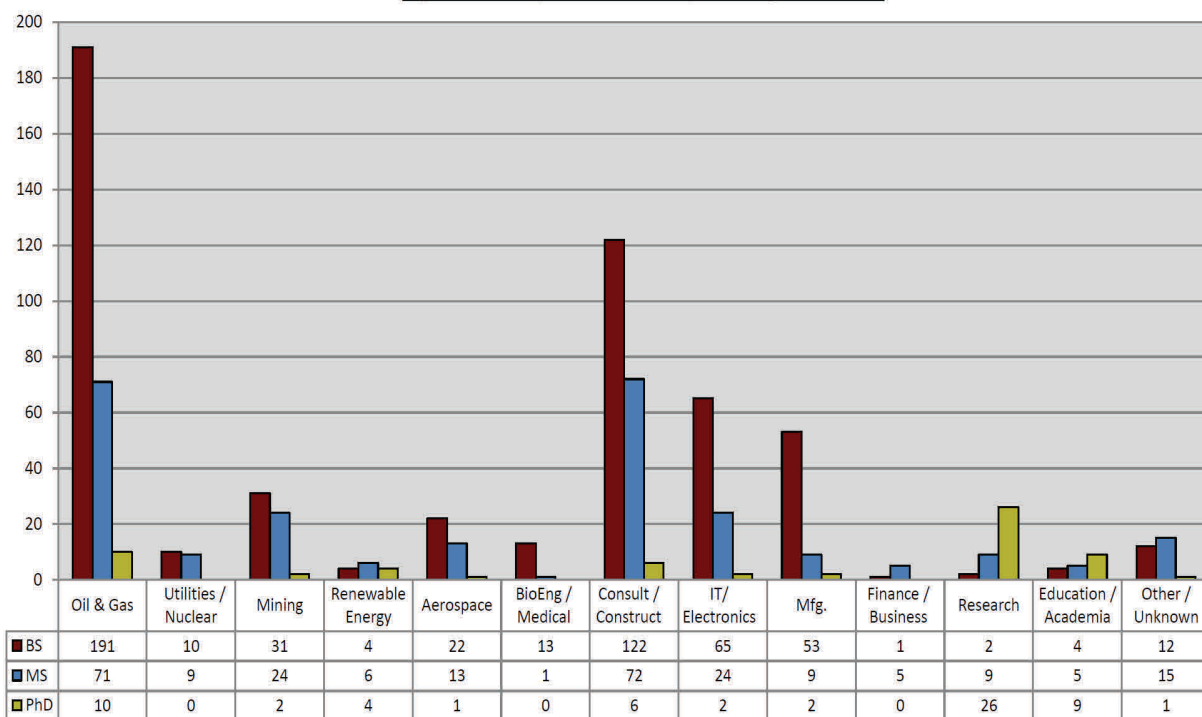


Table 1: Positions Accepted by Job-Seeking Graduates 2012-2013

	Total 2012-2013 Graduates	Accepted Positions in Industry/Gov	Industry Positions Accepted	Government Positions Accepted (Administration, Academia, Research)
Bachelor's	825	530	517	13
Master's	380	263	234	29
Doctoral	83	63	29	34
	1288	856	780	76

**Table 2: BS Graduate Status and Salary Offers - December 2012—August 2013**

COLORADO SCHOOL OF MINES															
2012 - 2013 CAREER CENTER ANNUAL REPORT															
BACHELOR'S DEGREE GRADUATES OUTCOMES AND SALARY SURVEY															
College	Major	# Graduates	Industry	Government	Military	Graduate School	Returning International	Not Looking	Outcomes %	Actively Searching	# Offers Reported	Low Offer Reported	High Offer Reported	2012-2013 Average Salary Offers	2011-2012 Average Salary Offers
CASE	Chemical Engineering (3 double majors)	75	51	0	1	10	1	1	85%	11	50	\$ 45,000	\$ 103,000	\$ 68,652	\$ 67,787
	Chemical & BioChemical (1 double major)	49	26	0	0	9	0	1	73%	13	33	\$ 40,000	\$ 103,000	\$ 70,885	\$ 66,939
	Chemistry (3 double majors)	16	5	1	1	5	0	0	75%	4	4	\$ 47,507	\$ 72,000	\$ 57,927	\$ 49,000
	Chemistry - Biochemistry (1 double major)	13	2	1	0	5	0	0	62%	5	1			N/A	N/A
	Engineering Physics (2 double majors)	47	11	3	0	27	0	1	89%	5	12	\$ 45,000	\$ 75,000	\$ 62,066	\$ 58,962
CECS	Metallurgical & Materials Engineering	38	27	0	0	7	1	1	95%	2	41	\$ 46,000	\$ 98,000	\$ 64,846	\$ 62,126
	Applied Mathematics & Statistics (2 double majors)	15	6	0	1	7	0	0	93%	1	6	\$ 45,000	\$ 62,000	\$ 56,668	\$ 57,605
	Civil Engineering (9 double majors)	70	51	4	2	9	0	3	99%	1	51	\$ 33,608	\$ 79,800	\$ 54,683	\$ 57,074
	Computer Science (4 double majors)	49	31	0	0	14	0	2	96%	2	29	\$ 45,000	\$ 100,000	\$ 68,267	\$ 60,967
	Electrical Engineering (12 double majors)	60	46	2	2	4	0	1	92%	5	64	\$ 30,039	\$ 97,000	\$ 62,354	\$ 62,664
CERSE	Environmental Engineering (1 double major)	29	23	0	0	3	0	2	97%	1	21	\$ 41,500	\$ 73,680	\$ 55,809	\$ 64,042
	Mechanical Engineering (16 double majors)	182	127	1	4	24	1	8	91%	17	132	\$ 31,200	\$ 100,300	\$ 64,490	\$ 63,252
	Economics & Business (3 double majors)	12	7	0	0	4	0	0	92%	1	6	\$ 37,000	\$ 99,500	\$ 56,917	\$ 48,813
	Geology & Geological Engineering (1 double major)	32	17	1	1	7	2	1	91%	3	17	\$ 29,000	\$ 74,700	\$ 58,765	\$ 56,370
	Geophysics & Geophysical Engineering (1 double major)	23	4	0	0	13	3	0	87%	3	5	\$ 47,000	\$ 68,500	\$ 58,500	\$ 68,281
	Mining Engineering	17	14	0	1	1	0	0	94%	1	23	\$ 54,000	\$ 85,000	\$ 65,956	\$ 63,490
	Petroleum Engineering (1 double major)	128	91	0	0	12	22	1	98%	2	111	\$ 52,500	\$ 120,000	\$ 83,309	\$ 83,055
	Sub-Totals (double majors included)	855	538	13	13	162	30	22		77					
	Total	825	517	13	13	156	30	21	91%	75	606			\$ 67,055	\$ 66,032
Note: N/A indicates too few or no starting salary offers were reported; reasonable average maintaining confidentiality is not available.															

## Outcomes and Salary Surveys

**Table 3: MS/P Graduate Status and Salary Offers - December 2012—August 2013**



<div> COLORADO SCHOOL OF MINES</div>																
2012 - 2013 CAREER CENTER ANNUAL REPORT																
MASTER'S DEGREE GRADUATES OUTCOMES AND SALARY SURVEY																
College	Major	# Graduates	Industry	Government	Military	Graduate School	International	Returning	Not Looking	Outcomes %	Actively Searching	# Offers Reported	Low Offer Reported	High Offer Reported	2012-2013 Average Salary Offers	2011-2012 Average Salary Offers
CASE	Applied Physics	8	2	0	1	3	2	0	0	100%	0	1			N/A	N/A
	Chemical Engineering	7	5	0	0	1	1	0	0	100%	0	5	\$63,000	\$78,000	\$73,600	\$72,467
	Chemistry	4	1	2	0	0	0	0	0	75%	1	2			N/A	N/A
	Geochemistry	0	0	0	0	0	0	0	0	N/A	0	0			N/A	N/A
	Metallurgical & Materials Engineering	17	8	1	0	7	1	0	0	100%	0	6	\$60,000	\$73,000	\$67,583	\$74,889
CECS	Applied Mathematics & Statistics	10	4	2	0	2	1	0	0	90%	1	5	\$41,000	\$75,000	\$64,248	\$65,250
	Civil Engineering (1 double major)	20	15	2	0	2	1	0	0	100%	0	20	\$41,600	\$75,000	\$59,189	\$55,072
	Computer Science	13	11	0	0	2	0	0	0	100%	0	12	\$65,000	\$114,000	\$84,909	\$72,390
	Electrical Engineering	27	19	2	0	4	1	0	0	96%	1	10	\$48,000	\$85,000	\$70,300	\$65,820
	Engineering Systems	4	2	0	0	2	0	0	0	100%	0	1			N/A	\$77,938
	Environmental Engineering	44	31	2	0	8	0	1	0	95%	2	19	\$29,120	\$80,000	\$63,916	\$58,727
	Mechanical Engineering	32	23	5	0	2	0	0	0	94%	2	27	\$53,000	\$105,000	\$72,437	\$70,028
CERSE	Engineering & Technology Management	19	11	3	1	1	2	0	0	95%	1	15	\$40,000	\$105,000	\$71,233	\$67,379
	Geology & Geological Engineering	38	33	1	0	0	3	1	0	100%	0	37	\$50,000	\$135,000	\$94,392	\$89,121
	Geophysics & Geophysical Engineering	18	12	0	0	2	4	0	0	100%	0	17	\$55,000	\$130,000	\$94,070	\$90,636
	Int'l Political Economy of Resources	9	4	2	0	1	1	0	0	89%	1	1			N/A	N/A
	Mineral & Energy Economics	42	21	2	1	5	8	0	0	88%	5	12	\$48,000	\$100,000	\$70,000	\$72,850
	Mining & Earth Systems (1 double major)	12	9	0	0	0	3	0	0	100%	0	4	\$70,000	\$72,000	\$71,500	N/A
	Petroleum Engineering	21	9	0	0	3	9	0	0	100%	0	17	\$77,040	\$135,000	\$98,855	\$84,500
Inter-Disc.	Hydrology	13	10	1	0	0	1	0	0	92%	1	7	\$51,000	\$73,000	\$58,572	\$53,000
	Materials Science	8	1	1	0	5	1	0	0	100%	0	1			N/A	\$68,755
	Nuclear Engineering	15	4	3	0	5	0	0	0	80%	3	5	\$54,000	\$101,400	\$70,380	N/A
	Sub-Totals (double majors Included)	381	235	29	3	55	39	2			18					
	Total	380	234	29	3	55	39	2		95%	18	224			\$77,116	\$72,317
Note: N/A indicates too few or no starting salary offers were reported; a reasonable average that maintains confidentiality for graduates is not available.																



Table 4: PhD Graduate Status and Salary Offers - December 2012—August 2013

<div>COLORADO SCHOOL OF MINES</div>																	
2012 - 2013 CAREER CENTER ANNUAL REPORT																	
DOCTORAL DEGREE GRADUATES OUTCOMES AND SALARY SURVEY																	
College	Major	# Graduates	Industry	Government	Military	Graduate School	International	Returning	Not Looking	Outcomes %	Actively Searching	# Offers Reported	Low Offer Reported	High Offer Reported	2012-2013 Average Salary Offers	2011-2012 Average Salary Offers	
CASE	Applied Physics	7	2	5	0	0	0	0	0	100%	0	3	\$46,000	\$68,000	\$56,000	\$68,667	
	Chemical Engineering	3	1	2	0	0	0	0	0	100%	0	3	\$75,000	\$100,000	\$91,300	\$94,600	
	Chemistry	6	2	3	0	0	1	0	0	100%	0	2			N/A	N/A	
	Geochemistry	1	1	0	0	0	0	0	0	100%	0	2			N/A	\$81,667	
	Metallurgical & Materials Engineering	4	3	1	0	0	0	0	0	100%	0	4	\$85,000	\$107,000	\$93,750	\$88,840	
CECS	Applied Mathematics and Statistics	1	0	1	0	0	0	0	0	100%	0	0			N/A	N/A	
	Civil Engineering	2	1	0	0	0	1	0	0	100%	0	1			N/A	N/A	
	Computer Science	4	1	3	0	0	0	0	0	100%	0	5	\$60,000	\$118,000	\$79,800	\$77,000	
	Electrical Engineering	5	1	1	0	0	3	0	0	100%	0	2			N/A	N/A	
	Engineering Systems	2	1	1	0	0	0	0	0	100%	0	1			N/A	N/A	
	Environmental Engineering	3	0	3	0	0	0	0	0	100%	0	3	\$40,000	\$61,000	\$47,333	\$65,000	
	Mechanical Engineering	1	1	0	0	0	0	0	0	100%	0	2			N/A	N/A	
	Econ - Mineral & Energy Economics	4	0	1	2	0	0	1	0	100%	0	0			N/A	N/A	
	Geology & Geological Engineering	6	3	1	0	0	1	1	1	100%	0	6	\$82,000	\$115,000	\$100,324	N/A	
CERSE	Geophysics & Geophysical Engineering	5	3	0	0	0	1	0	0	80%	1	3	\$115,000	\$117,600	\$115,867	N/A	
	Mining & Earth Systems	4	1	0	0	0	2	1	1	100%	0	0			N/A	N/A	
	Petroleum Engineering	3	2	1	0	0	0	0	0	100%	0	0			N/A	\$85,150	
	Hydrology	5	1	2	0	0	0	0	1	80%	1	3	\$44,000	\$72,000	\$61,333	N/A	
Inter-Disc.	Materials Science	16	5	8	0	0	3	0	0	100%	0	6	\$42,000	\$95,000	\$65,833	N/A	
	Nuclear Engineering	1	0	1	0	0	0	0	0	100%	0	1			N/A	N/A	
	Total	83	29	34	2	0	0	13	3	98%	2	47			\$80,201	\$82,226	
Note: N/A indicates too few or no starting salary offers were reported; a reasonable average that maintains confidentiality for graduates is not available.																	

Note: N/A indicates too few or no starting salary offers were reported; a reasonable average that maintains confidentiality for graduates is not available.

## Women

Mines celebrated the graduation of **348** women at Colorado School of Mines in 2012-2013, **14.9%** more than the 303 of 2011-2012. This reflects **27%** of the year's total graduates, same as last year's class. Reported outcomes for all 2012-2013 degreed women equals **93%** which coincides with the overall rate of **93%** positive outcomes for all 2012-2013 graduates. In the prior year, the result was 91% women / 91% overall.

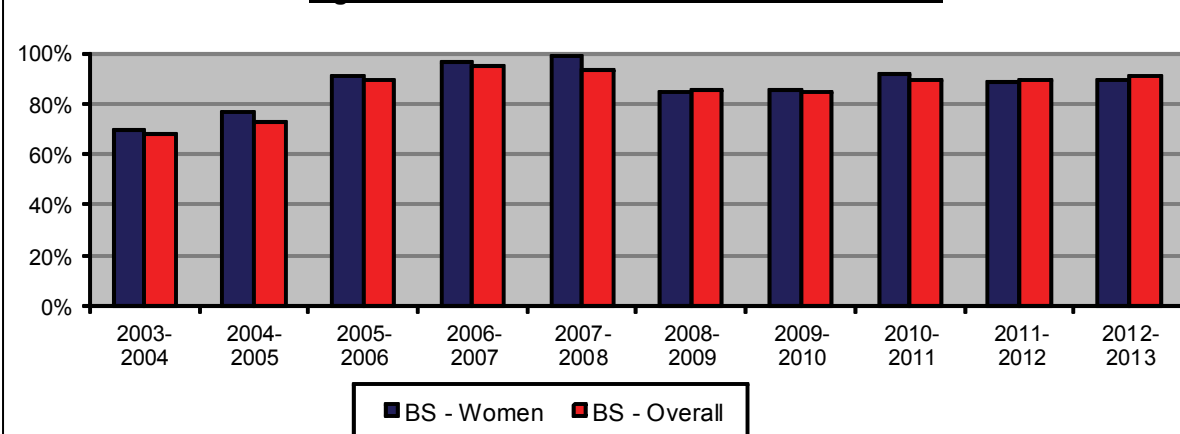
Specifically, the women's outcome percentages are: BS: **90%** compared to **91%** BS overall; MS: **97%** compared to **95%** overall for MS; and PhD: **100%**, compared to **98%** for PhD graduates overall. With **228** women going into the work force, this represents an 11% increase of jobs accepted over last year's number of 205 positions reported.

In 2012-2013, **23%** of BS women chose graduate school, greater than the 18% rate for BS overall, and increasing from 17% in 2011-2012. Of MS women, only **12%** continued on; this is below the 14% overall rate; and is a drop from 13% in 2011-2012 (high of 23% in 2009-2010). Table 5, below, summarizes the outcomes of 2012-2013 BS, MS and PhD women graduates. Figure 4 notes the historical comparison of BS women's outcomes vs. the overall rate for all BS graduates.

**Table 5: Women Graduate Status - December 2012 - August 2013**

	NUMBER OF GRADUATES	INDUSTRY	GOVT.	MILITARY	GRAD. SCHOOL	INT'L	NOT LOOKING	ACTIVELY SEARCHING	% OUTCOMES
BS	227	133	3	2	52	11	4	22	<b>90%</b>
MS/P	98	61	12	0	11	9	2	3	<b>97%</b>
PHD	23	9	8	0	0	5	1	0	<b>100%</b>
TOTAL	348	203	23	2	63	25	7	25	<b>93%</b>

**Figure 4: Outcomes for BS Women vs. Overall BS**



The women of Mines graduating with Master's degrees are rated at **97%** outcomes (compared to the 95% rate for Master's graduates overall). PhD women note positive outcomes of **100%**, compared to 98% for PhDs overall.

Figures 5 and 6 below offer a historical perspective for graduate level women students' outcomes compared to that of graduates overall.

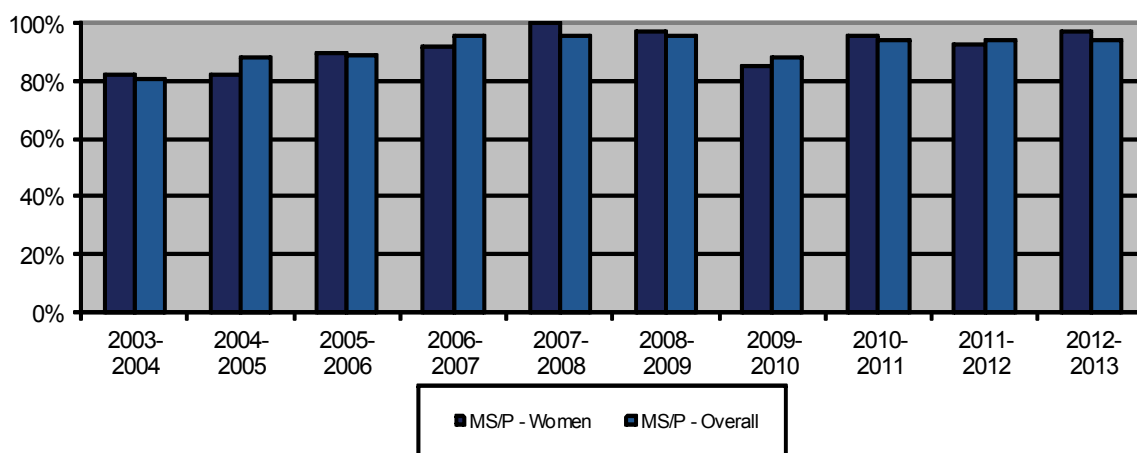
### 2012-2013 Highlights

**348** women graduated from Mines.

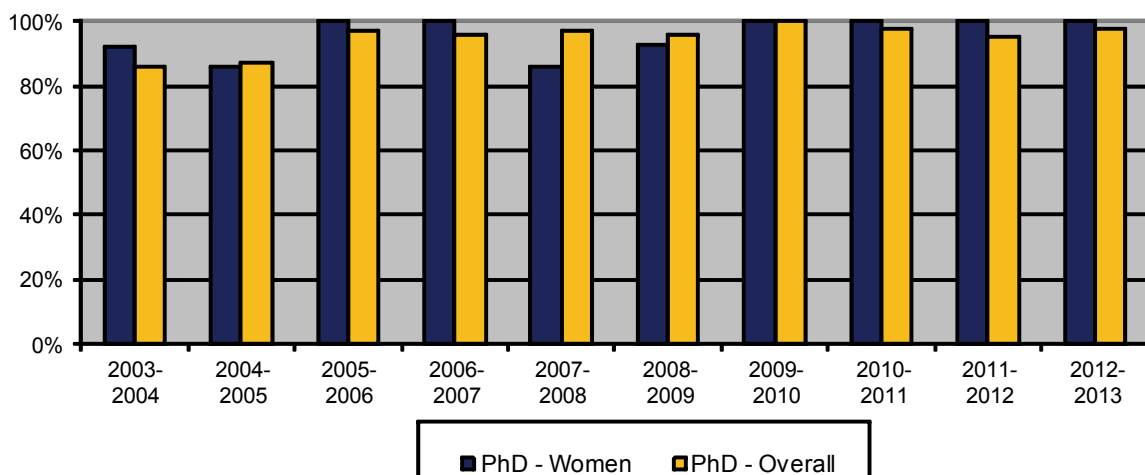
**93%** of BS, MS, and PhD women graduates note positive outcomes.

**92%** of BS, MS, and PhD minority graduates note positive outcomes.

**Figure 5: Outcomes for MS/P Women vs. Overall MS/P**



**Figure 6: Outcomes for PhD Women vs. Overall PhD**





## Special Interest Groups

### Minorities

A total number of **154** minority students graduated from Mines in 2012-2013, a **19%** increase over the 2011-2012 total of **129** (a 9% increase for undergraduates, but a 48% increase at the graduate level). Across levels, the demographic comparisons to prior year data is as follows: **16** African American/Black versus 18, **7** Native American versus 6, **56** Asian versus 59, and **73** Hispanic compared to 46 in 2011-2012. Compared to the 93% outcomes rate for all the Mines 2012-2013 graduates, **92%** of the combined minority graduates reported positive outcomes choosing work in industry, government or military, continuing to graduate school, or options other than a position related to their major at this time. This chart is based on the demographic information available and also includes a new category this year of “Multiple Races.” Table 6 details post-graduate status for minorities at Mines, detailed by such ethnic designations as described by the Registrar. Due to small numbers of graduates, degree levels are combined.

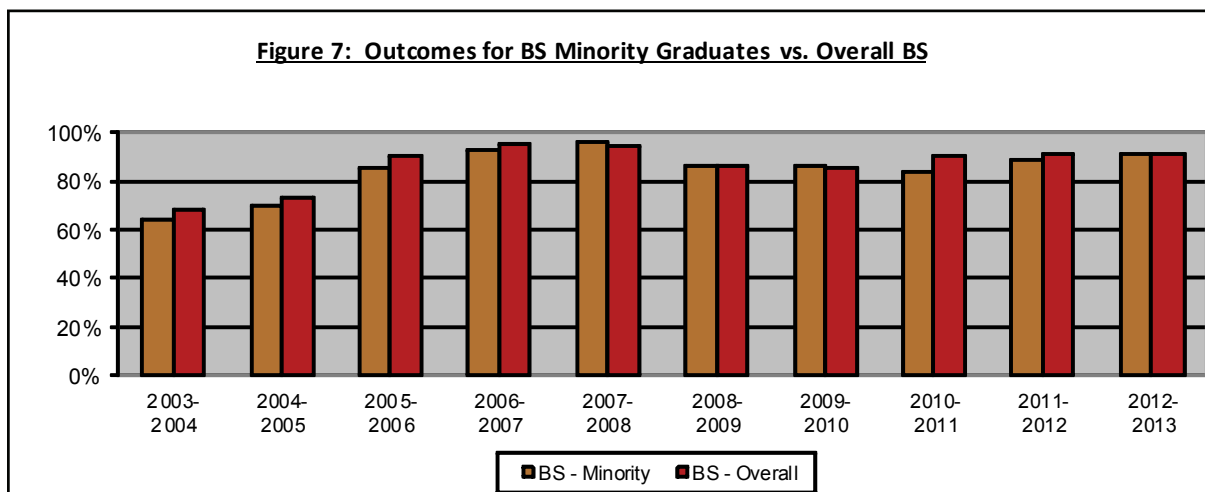
**Table 6: Minority Graduate Status - December 2012—August 2013**

	Number of Graduates				Industry	Government	Military	Graduate School	Not Looking	Actively Searching	% Outcomes
	BS	MS/P	PhD	Total							
Black / African American	9	7	0	16	13	0	0	2	0	1	<b>94%</b>
Native American / Alaskan Native	4	3	0	7	6	1	0	0	0	0	<b>100%</b>
Asian	42	13	1	56	26	3	1	15	2	9	<b>84%</b>
Hispanic	50	19	4	73	45	5	2	16	2	3	<b>96%</b>
Multiple Races	0	2	0	2	1	0	0	1	0	0	<b>100%</b>
<b>TOTAL</b>	<b>105</b>	<b>44</b>	<b>5</b>	<b>154</b>	<b>91</b>	<b>9</b>	<b>3</b>	<b>34</b>	<b>4</b>	<b>13</b>	<b>92%</b>

The Career Center continues working with the four branches of the Colorado School of Mines Multicultural Engineering Program (MEP): American Indian Science and Engineering Society (AISES), National Society of Black Engineers (NSBE), Society of Asian Scientists and Engineers (SASE), and Society of Hispanic Professional Engineers (SHPE). Career Center staff members speak at meetings, and proactively foster connections between MEP and companies. Also, our DiggerNet system affords employers who post positions through the Career Center the ability to indicate a desire for special notices to be sent to MEP; in this way they are able to target this audience for their corporations’ diversity initiatives. This same service is true for SWE, as well.

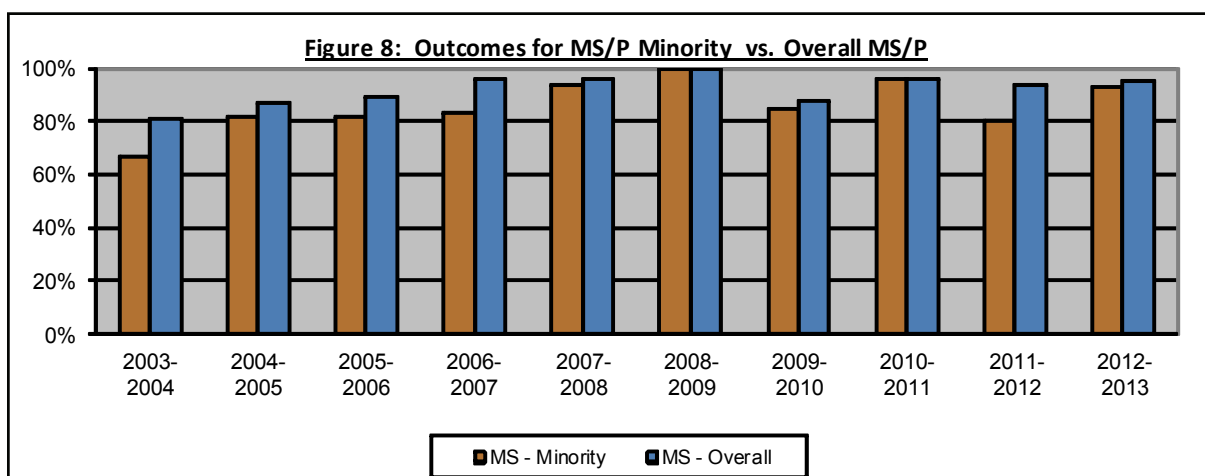
“**WIRED**” (Work/Interview/Resume Experience Day) continues as a successful collaborative event between MEP and the Career Center. For the September 2012 and February 2013 events, a total of 28 companies sent their recruiters to offer advice on resumes, networking, and interview techniques just prior to Career Day. These WIRED events provided a total of 275 individual help sessions, available to all Mines students for encouragement in the job search.

For the 2012-2013 graduating class, the BS minority outcomes rate of **91%** equals the overall BS rate. Below in Figure 7, a ten-year perspective of outcomes for BS minority graduates offers a comparison to the outcomes rate overall for all BS 2012-2013 graduates.



In these reports, U.S. citizens and international students with permanent residence who are of self-reported ethnicity are included. Typically, international students are assumed to plan a return to their home countries following the completion of their time as a student at Mines. However, if they have reported intentions to remain in the U.S. for an advanced degree, or reported acceptance of a position with a U.S. employer, they are so noted in our reports in the Overview chapter of this Annual Report.

Due to the small numbers of MS/P and PhD minority graduates, separate outcome figures do not provide a very accurate picture. For this reason, Figure 8 is provided only to show trends for the MS/P minority graduates. The MS outcomes are currently at **93%**, compared to 95% for the overall Master's graduates. No separate PhD graph is provided; for this 2012-2013 graduating class, the minority PhD outcomes are at **100%** (98% for overall outcomes).

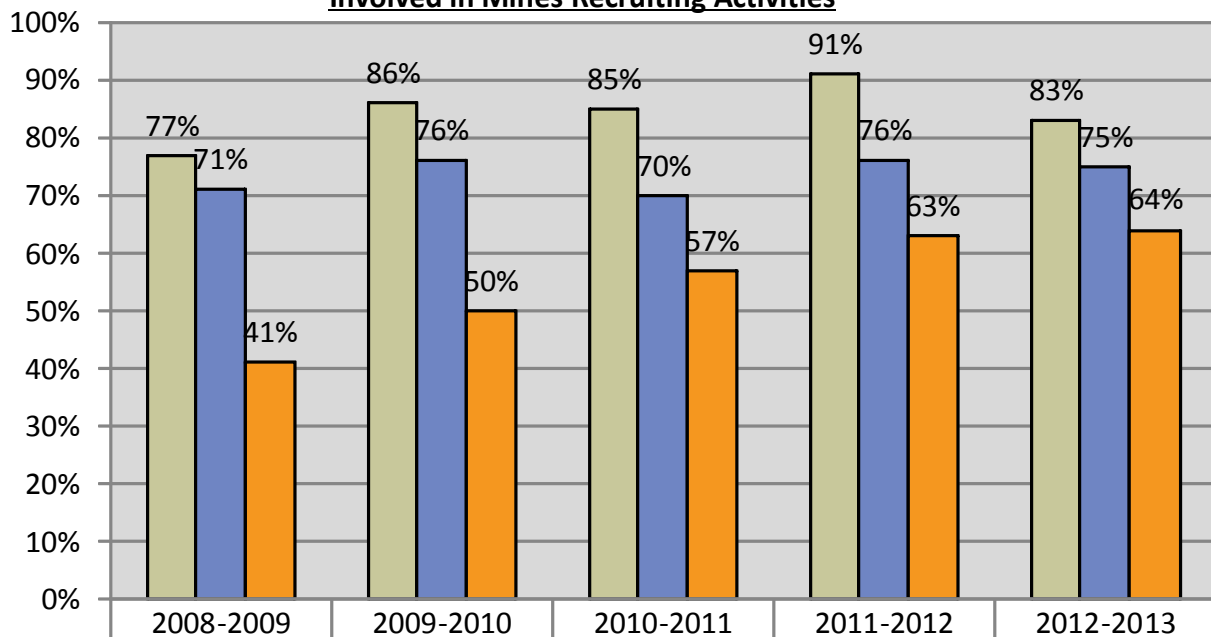


## Summary

The Mines Career Center had a very busy year in 2012-2013 in terms of both on-campus and online recruiting of students for full-time and internship/co-op positions. Mines recruiting is defined by two categories: the on-campus recruiting figures include organizations participating in Career Day or information sessions, and/or on-campus interviews. Online recruiting includes organizations registered in DiggerNet who have posted jobs but did not actually visit the Mines campus. The complete list of the organizations recruiting at Colorado School of Mines this year is included as Appendix B.

Of the graduating BS students accepting positions in industry or government, **83%** were with organizations that had participated in Mines recruiting activities between August 2012 and July 2013, suggesting the impact of a positive recruiting environment on both student opportunities and total job acceptances. Of MS and PhD graduates, rates were 75% and 64%, respectively; this may be due to the fact that Master's and Doctoral level students may come to Mines with prior experience, an established network, or even continuing current employment while they are completing a degree. Across all degree levels, there is an overall 78% rate of graduates accepting employment with companies that were recruiting directly through Colorado School of Mines Career Center utilizing the centralized campus recruiting services and processes.

**Figure 9: 5 Year Perspective - % Accepted Positions with Organizations Involved in Mines Recruiting Activities**



BS	77%	86%	85%	91%	83%
MS/P	71%	76%	70%	76%	75%
PhD	41%	50%	57%	63%	64%

### On-Campus Interviewing & Information Sessions

On-campus activity was very strong, as reflected in the number of employers who visited the Mines campus for recruiting. A total of **188** employers were involved in conducting interviews on-campus and/or offering information sessions during the 2012-2013 recruiting season. This resulted in **4336** total individual student interviews and **130** company information sessions.

### 2012-2013 Highlights

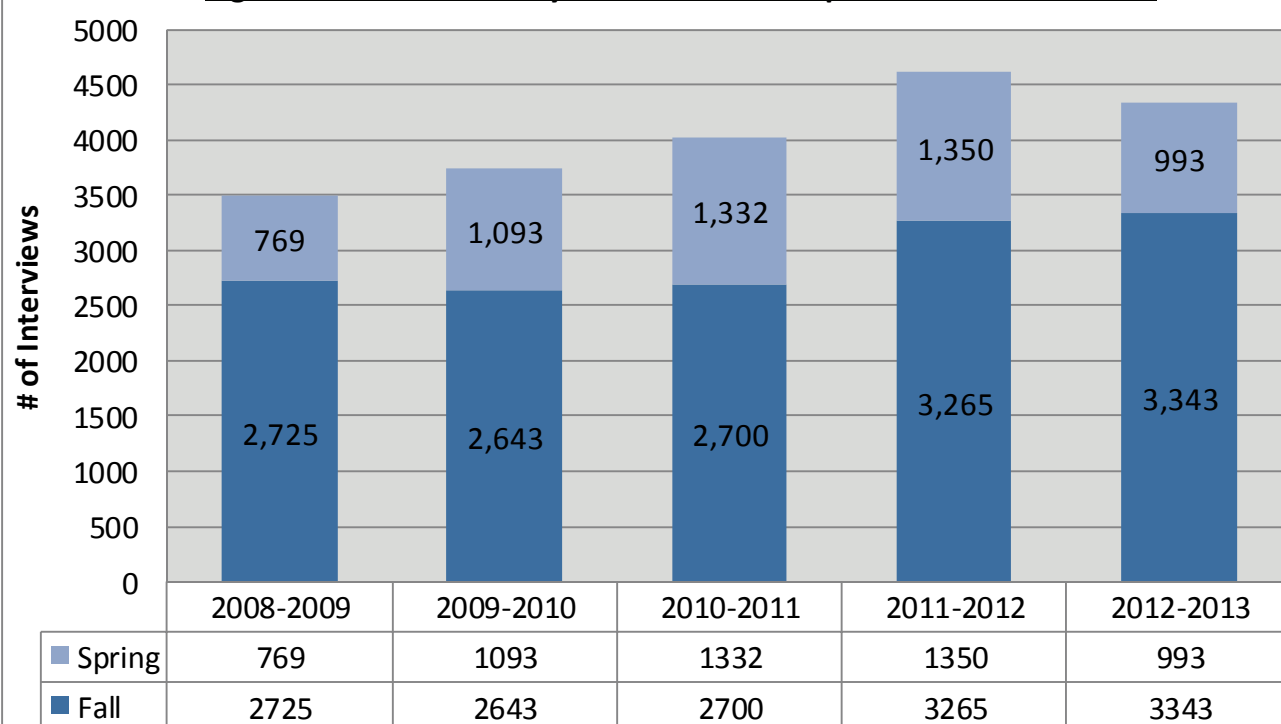
**4336** total individual interviews were conducted on-campus during the academic year.

**130** company information sessions were held for students.

### Early Bird Interviews

The Career Center has responded to companies' travel restrictions (due to the economy) by accommodating them to remain on-campus following Career Day, for quick response, next day Early Bird interviewing. Campus administrative and academic departments collaborated with the Career Center by providing rooms for companies taking advantage of these Early Bird interviews. In Fall 2012, 55 companies stayed on campus. The Career Center was very appreciative of the 18 departments throughout the campus who collaborated by supplementing our four Career Center interview rooms for the intense days following Fall Career Day, resulting in 1056 interviews. This number of interviews could not have been successfully executed without the support of these academic and administrative departments providing space. Following Spring 2013 Career Day, 30 companies took advantage of Early Bird reservations, resulting in 369 interviews. These student interviews were possible with the much appreciated help of 14 campus departments.

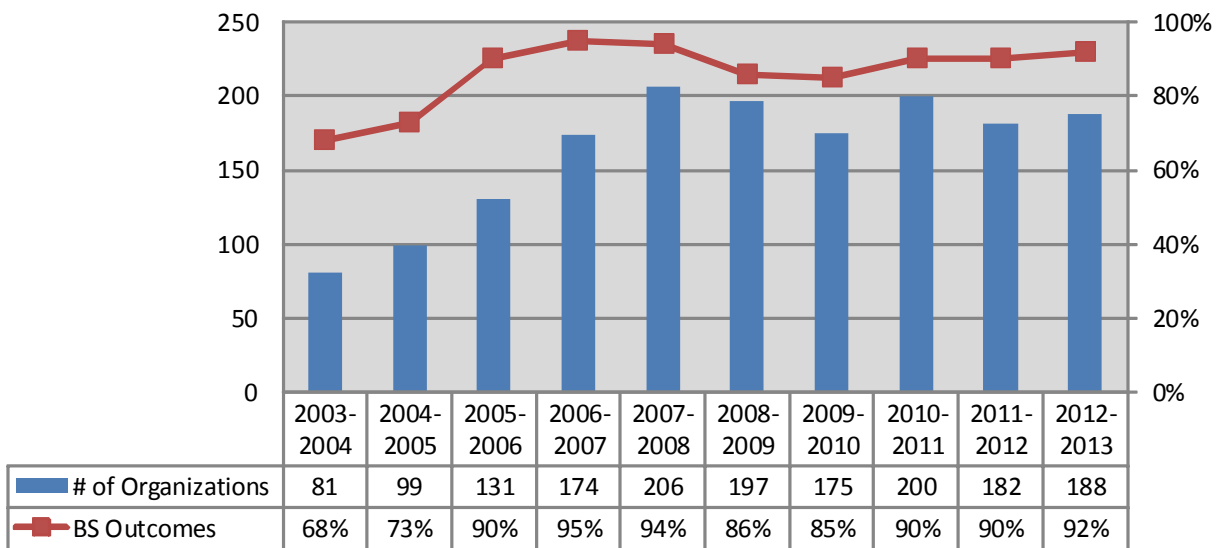
**Figure 10: 5-Year History - Total # On-Campus Student Interviews**



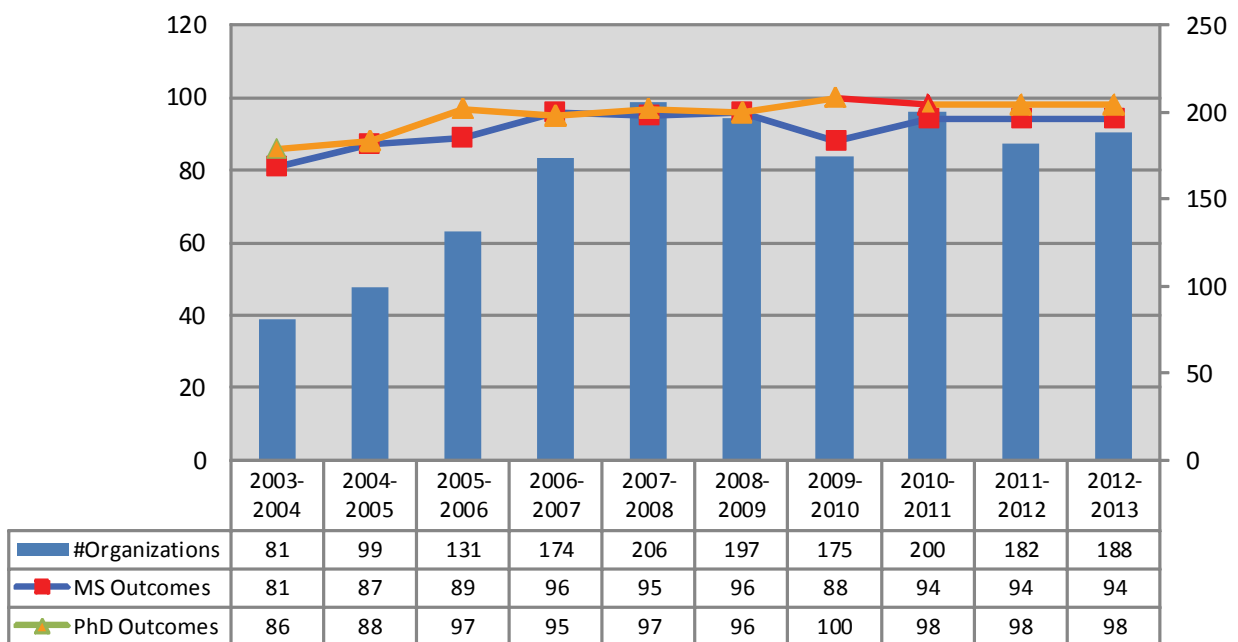
## Mines Recruiting

Figure 11 demonstrates how the number of interviewing companies strongly supports Bachelor graduate outcomes. It is worthwhile to note that the number of companies participating each year in on-campus interviewing correlates reasonably with the graduate outcome rates of BS graduates. Figure 12 shows a correlation between the number of companies recruiting at Mines and the outcomes rates of Master's and Doctorate level graduates. As noted earlier, the PhD graduates appear less dependent on campus-based recruiting, and are often already employed; there seems a clearer relationship between on-campus recruitment and Master's graduates.

**Figure 11: Organizations Present for On-Campus Interviews vs. Undergraduate Outcomes**



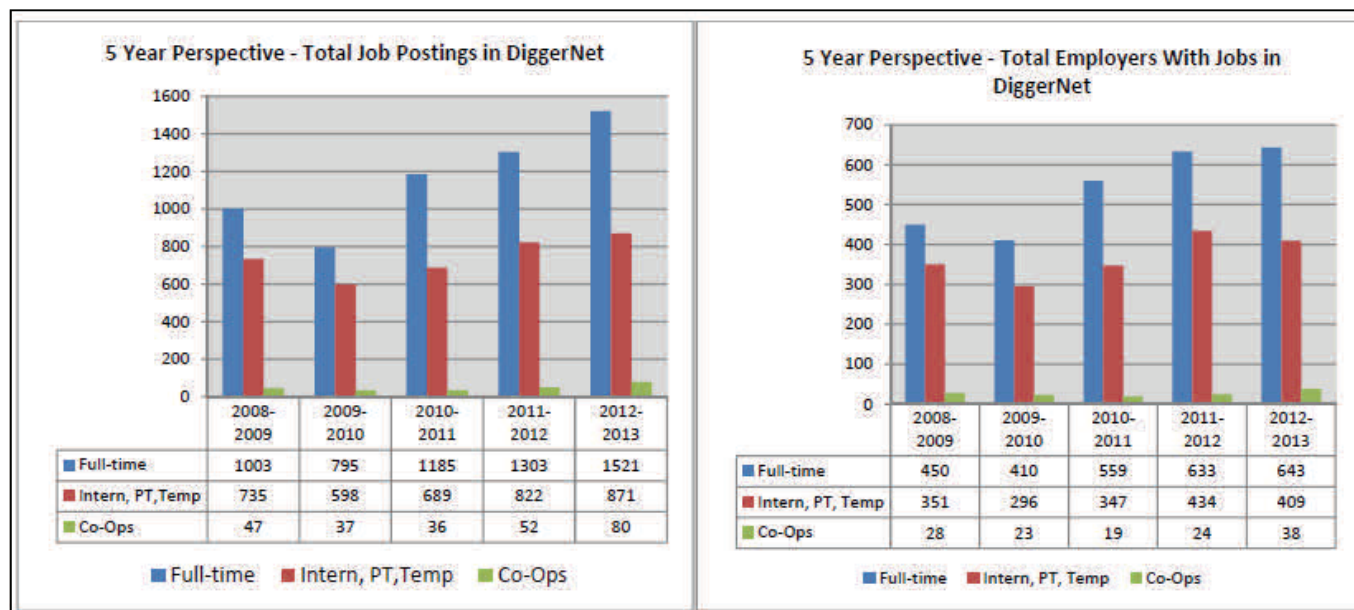
**Figure 12: 10-Year Perspective on Organizations Present for On-Campus Interviews vs. Graduate Outcomes**



## DiggerNet Activity

Online recruiting noted 6% growth in the past year with a total of **2,228** job postings on DiggerNet during 2012-2013 for full-time, internship, part-time, temporary work, (2102 job postings in the prior year). These postings reflect multiple openings and types for a single job description. In 2012-2013, the number of companies posting jobs numbered **920**, 4% more than the 885 last year. In Figure 13, below, are detailed the specific position types for which employers utilized DiggerNet.

**Figure 13: DiggerNet Job Postings and Employers**



DiggerNet serves a wide variety of needs for students, Mines academic and administrative departments, and other employers. This includes posting on-campus jobs, including work study jobs for undergraduates for a total of **82** postings (99 prior year). For students at the graduate level, other positions entered included **5** post-doctoral positions, **11** fellowships, and **13** academic research positions (from 2 postings for such research positions in the prior year).

In addition to jobs posted for current students and recent (within two years) graduates, the Career Center continues to assist alumni by forwarding jobs to the Mines Alumni Association requiring more than two years of experience, as the Alumni Association provides the career services to those past two years from graduation (except when the Alumni Association requests Career Center assistance for less experienced alumni). In addition to reviewing and forwarding 101 such jobs, staff in the Career Center also receive frequent phone calls from both alumni and employers who are directed as needed to the Alumni Association.

The Career Center continues to customize the DiggerNet online system for efficiency, user friendliness, and capacity to grow with Mines' expanding needs. One such addition this year was to allow academic faculty to access the system so that they are able to see the same events and opportunities for their students.

### Career Days: On-Campus

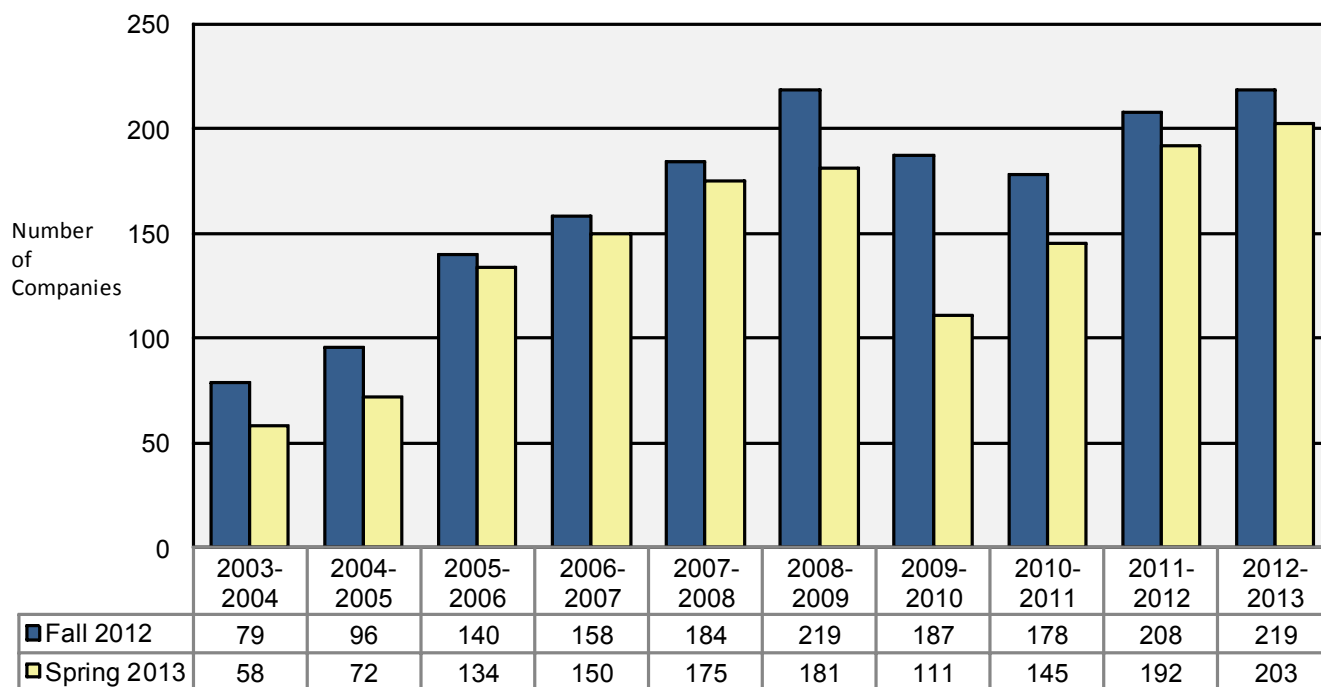
In the 2012-13 academic year, Mines Career Day experienced record numbers in both employer attendance, faculty/staff participation, as well as attendance from students, grads, and alums. The campus had many repeat corporations who attended Career Day events as well as approximately 46 new companies to the event. The reason for this continued large participation is due to the many proactive marketing efforts by Career Center staff, faculty collaboration initiatives, multi-event incentives, plus a strong need for top engineers. Employer participation resulted in **219** organizations at the Fall Career Day, which is tied with the largest Fall Career Day in Mines' history. Mines also had **203** organizations participate in the Spring Career Day, making this the largest Spring Career Day in the history of Mines. Both events sold out, exceeding original goals. The student, graduate, and alumni attendance has continuously increased with **3171** attending the Fall 2012 Career Day and **2327** attending the Spring 2013 Career Day. Verbal and survey input from many company representatives confirms that they continue to feel the Mines Career Day is definitely one of the best organized college events, with the highest quality students. Figures 14 - 16 show the results of company, student/graduate attendance as well as majors requested.

### Career Day Highlights

**Tied for largest** Career Day (Fall 2012) and **fourth largest** Career Day (Spring 2013) in Mines' history, based on employer participation.

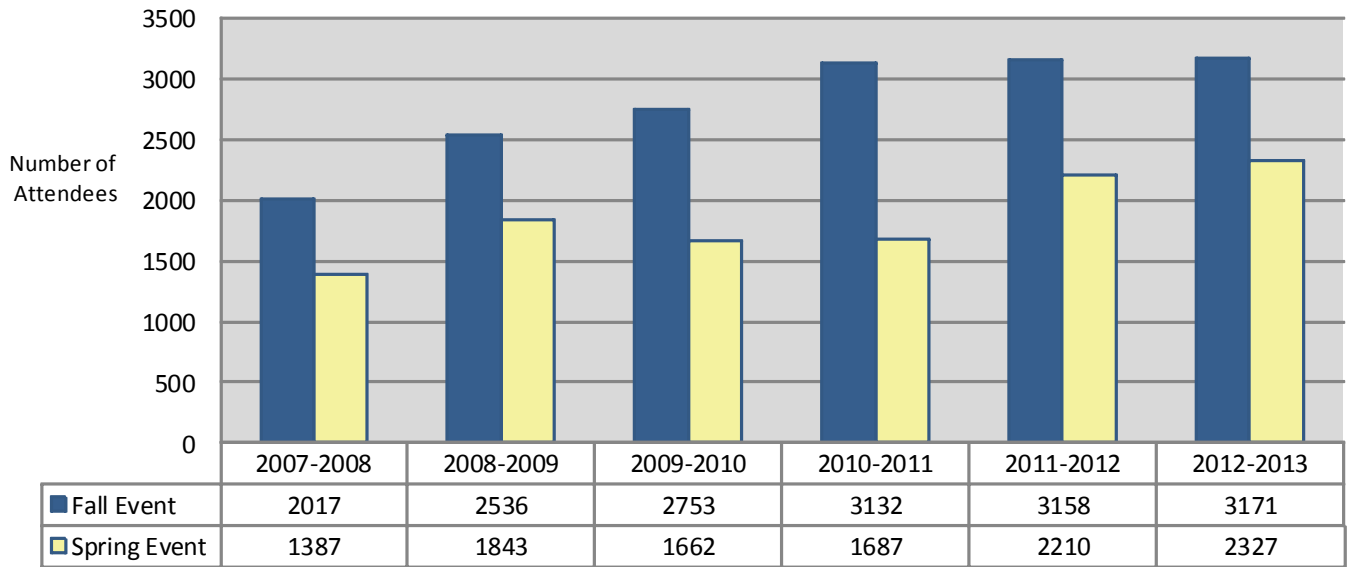
**Record attendance by students, graduates and alumni** at both Fall 2012 (3171) and Spring 2013 (2327) Career Day.

**Figure 14: 10-Year Career Day History**

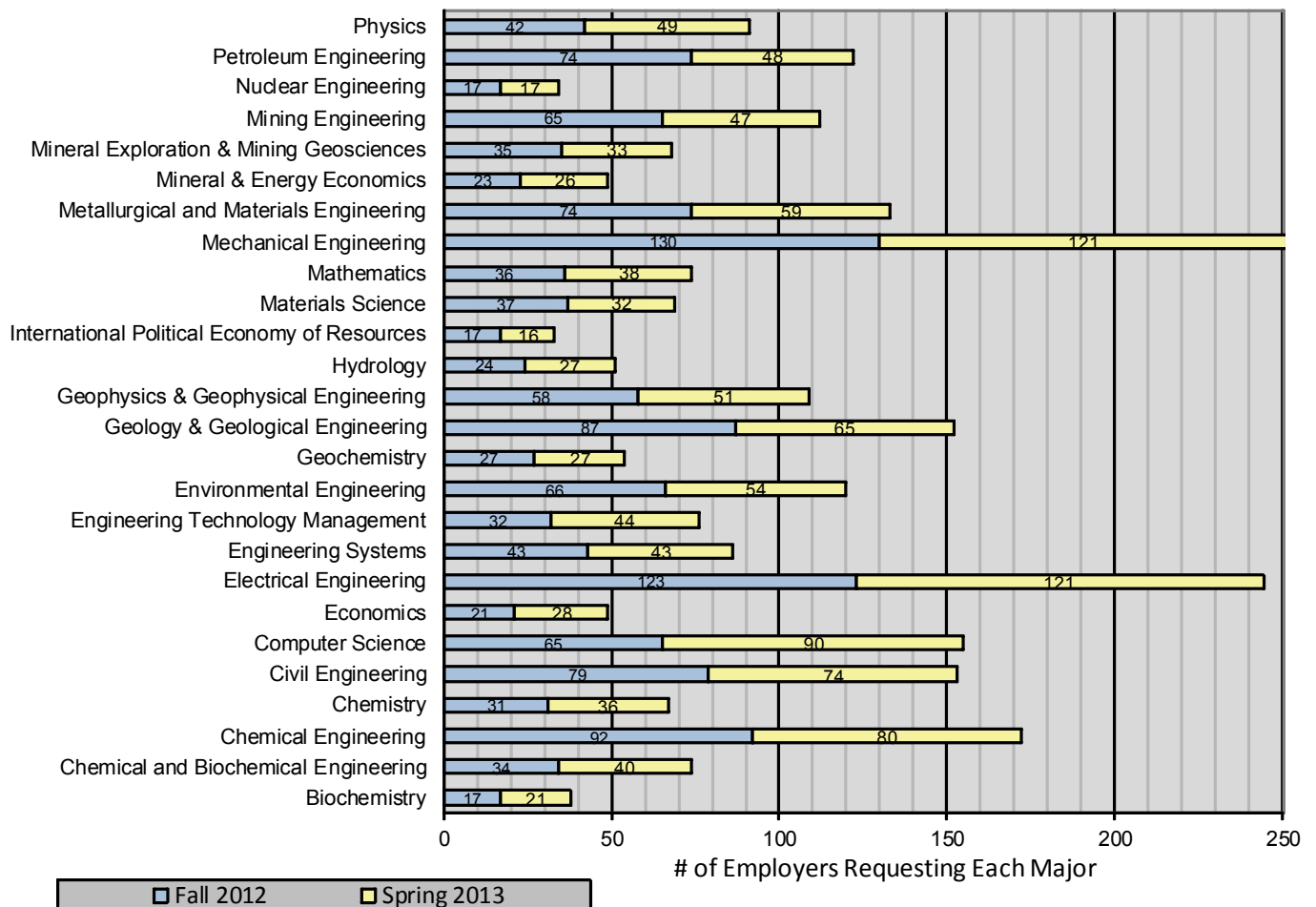


## 2012-2013 Colorado School of Mines Career Center Annual Report

**Figure 15: 5-Year Career Day Student / Graduate Attendance History**



**Figure 16: 2012-2013 Career Day Exhibitors Seeking Mines Students by Major**





## Career Day and Special Recruiting Events

### Career Fairs: Virtual

The Mines Career Center implemented Virtual Career Fairs in the Spring of 2009, with the goal of helping to provide another connection for students and graduates who were seeking jobs with employers who had true current open positions to fill. With two Virtual Fairs in the Spring and Summer of 2009, these events were a concentrated attempt to mitigate the effects of the 2008-2009 economic downturn and rally both students and employers. Since that initial effort, response by both students and employers has risen. The Virtual Fairs have proved to be effective in prompting many organizations to think of Mines between Career Day events, and to encourage students and upcoming graduates by providing them with a concentration of good prospective jobs near the close of the semester.

#### Virtual Fair Highlights

**45** Employers participated

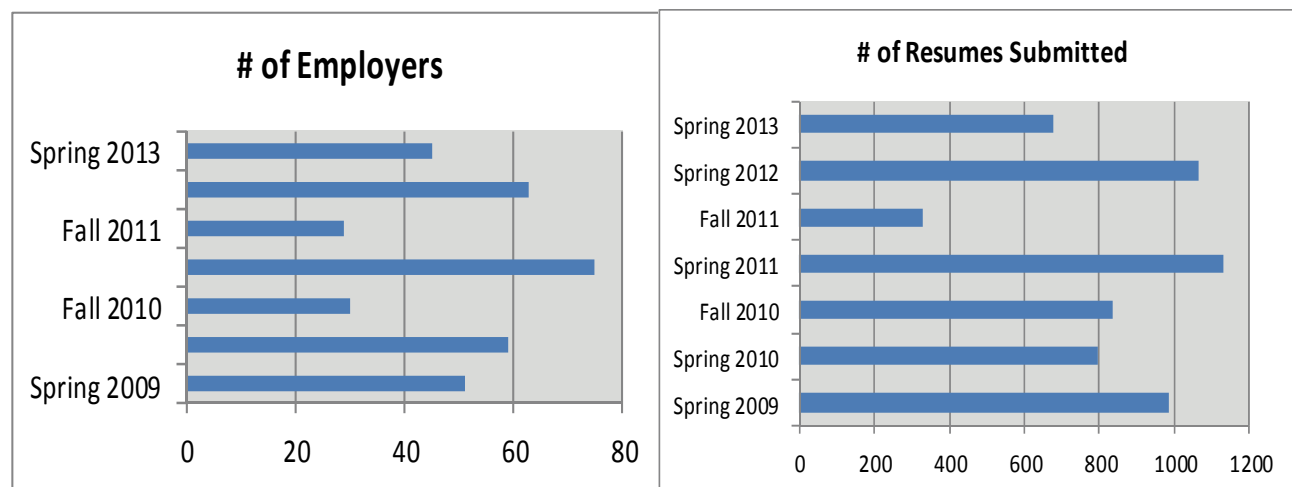
**113** Jobs posted

**675** Resume applications

The Spring 2013 Virtual Career Fair was held in March/April with **45** employers participating. This event resulted in **113** jobs posted and **675** resumes submitted by Mines Students for open positions. This fair was open to all students and recent graduates. Employers posted positions for both full-time and summer internships.

In addition to accepting resumes and cover letters online during the Virtual Career Fairs, many employers take advantage of the special end-of-semester on-campus interview events which are discussed in more detail on the next page. The Virtual Career Fair timing is specially set to allow employers to view resumes received and then come to campus to catch these students for interviews before they become busy with final projects and exams, and graduation.

**Figure 17: Virtual Career Fair Employer Participation and Student Response**



### Special Recruiting Events: The Nick of Time & Spring Launch

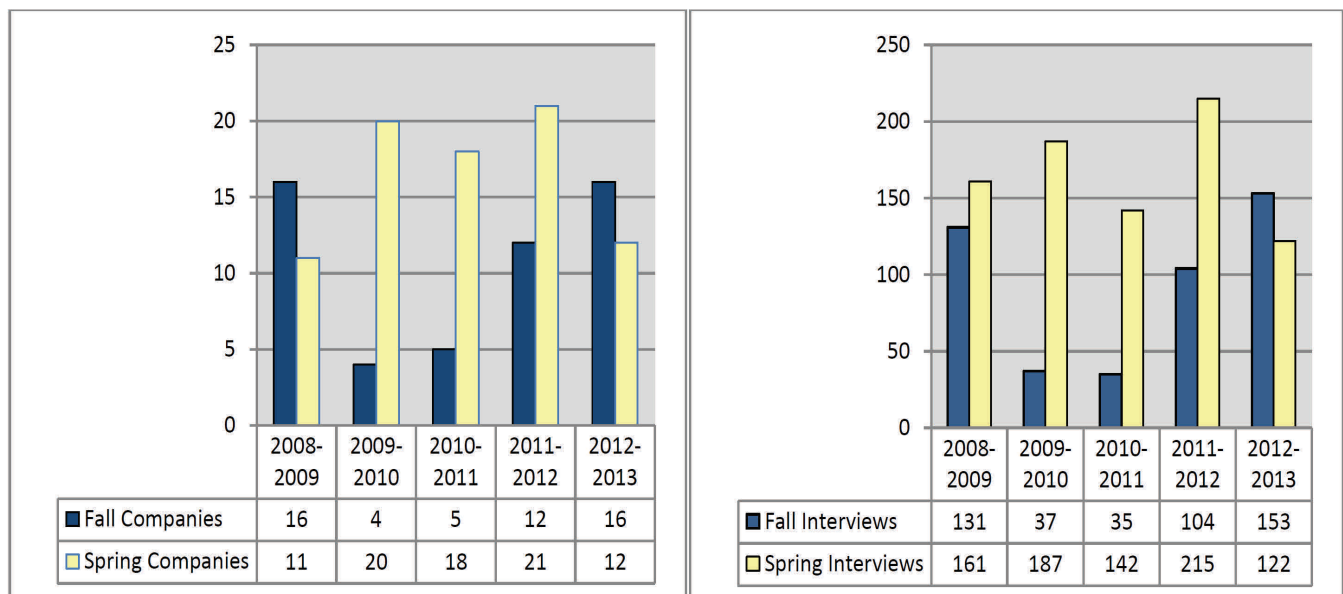
The “recruiting season” has continued to extend past the historic rush immediately following Career Day. To encourage students in their efforts to secure meaningful positions (full-time or internships), and to provide employers with a forum to further seek valuable employees when they are in need, the Career Center has instituted two special recruiting events to conclude each of the semesters in a positive way. (Please note, these events do not mean the total end of on-campus interviews, which lately have extended well into the holiday break and summer.)

The Nick of Time (TNT) and Spring Launch are one-day events which begin with an opportunity for networking among employers, students, and faculty. The day then transitions to hours of student interviews for the immediate hiring needs of these organizations. Held in conjunction with a Virtual Career Fair held two weeks prior, it gives students another opportunity to meet their goals by submitting resumes and scheduling interviews before preparing for Finals Week.

Employers highly value this additional opportunity to visit campus and connect with students. When possible, the event is scheduled at a time that employers can tour the Colorado School of Mines Senior Design Technical Fair. This increases employer and donor awareness of more ways to support Mines by sponsoring projects and becoming more involved with university research efforts. An added value for employers attending these recruiting events is a luncheon workshop included for employers’ professional development, covering such timely topics as creating an exemplary internship program, improving “branding” of their companies with the student population, increasing diversity in the workforce, connecting with top students, etc.

Figure 18 below notes employer and student participation at these special recruiting events. Participation is reflective of both economic and seasonal effects on business activities.

**Figure 18: TNT and Spring Launch Recruiting Events - Company and Student Activity**

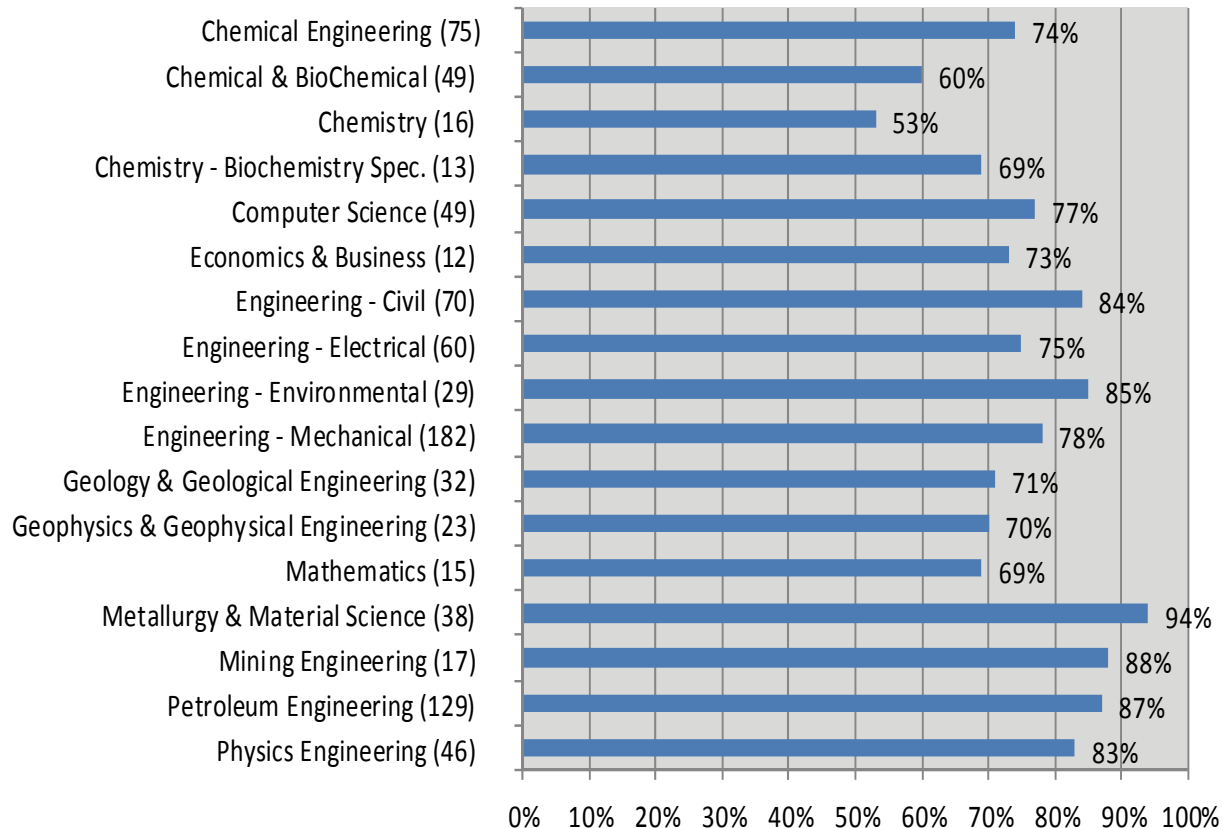


### Graduates with Technical Work Experience

In addition to hands-on projects that students accomplish in courses, the added benefit of “real-life” relevant experience while in college is invaluable. Students are encouraged to pursue such internships, co-ops, research experience beyond the regular classroom experience, and even seek job shadow opportunities. The percentage of documented relevant technical experience for B.S. students prior to graduation increased to **78%** in 2012-2013 from 76% the prior year.

In general, the leading disciplines in reported internship/technical experience are those involved with natural resource extraction, manufacturing, and information technology. M.S. students who are on the five year program at Mines would have had their internship experience noted in a prior report. As PhD students often come to Mines with prior full-time experience, or may be working for a company while completing the advanced degree, these groups are, therefore, not included in Figure 19 below, which is focused on BS graduates with direct job-seeking goals.

**Figure 19: Job Seeking BS Graduates with Technical Experience**



### **Internships**

At Colorado School of Mines, all forms of technical experience, relevant to a student's major, are encouraged. Most commonly these experiences are paid summer internships or part-time jobs during the academic year. To be considered a valid technical experience, the hiring organization would be within industry or government, utilizing relevant skills that the student is developing. Most internships offer ample opportunities for the student to practice technical skills, and build the necessary communication skills that will be valued for future work. In addition, there are other opportunities for students to work in the various research centers on-campus. Whether funded by NSF or other government funding, or by private corporations, the campus research centers offer students a chance to be involved in high level research.

### **Co-Operative Education Experiences**

The Mines Co-Operative Education program varies from a typical internship in that it involves a minimum commitment of the equivalent of six months of full-time work. Prior to the start of the co-op, the student submits approvals and learning objectives. This allows a student to be away from campus for the duration of the job without disrupting current status as a student and makes a student eligible for 3 hours of elective credit. Contracts are developed between the student, the school, and the employer, with guidelines that work assigned is to be both relevant and of the scope to provide challenging professional growth. Evaluation is based upon employer evaluations, and and primarily through the graded technical paper submitted to the student's own academic department.

During the 2012-2013 academic year, ten students participated in co-ops with Ansys in Boulder, CLAAS in Nebraska, Dakota Gasification in North Dakota, Dow in Texas, Magnetation in Minnesota, SSAB in Iowa and Alabama, Rio Tinto in Michigan, Spiremedia in Colorado, and Toyota in Alabama. During this same timeframe, 38 companies posted a total of 80 co-op positions in DiggerNet. Students and employers are becoming more aware of the fit for this hands-on industry experience within the undergraduate academic experience.

### **Job Shadowing**

Students are encouraged to seek out job shadow opportunities to help clarify choice of major, choice of industry, or even choice of job position. These unpaid short-term experiences during the breaks in the academic schedule are an excellent way for students to promote their professional development plans, and a great way for organizations to begin to build a pipeline of interested, dedicated future employees while increasing their name recognition on the Mines campus.

### **2013 Summer Salaries**

Each year, the Career Center collects data on summer internships. Information is provided by the students on a voluntary basis. The information given on Table 7 on the following page is intended for reference only and does not imply that this is the total number of internships and/or the only salaries experienced by Mines students of each major during the Summer of 2013.

## Technical Experience—Internships, Co-Ops & Research

**Table 7: Summer 2013 Reported Internships and Compensation by Major**

<b>CSM Summer 2013 Undergraduate Internships Average Hourly Salary</b>			
<b>Student Major</b>	<b>Low</b>	<b>High</b>	<b>Average</b>
Chemical Engineering / Chemical & Biochemical Engineering	\$8.00	\$39.25	\$21.55
Chemistry	\$8.00	\$23.00	\$14.65
Civil Engineering	\$10.00	\$23.12	\$14.85
Computer Science	\$10.00	\$42.00	\$18.54
Economics & Business *	\$16.00	\$18.75	\$17.25
Electrical Engineering	\$8.60	\$35.00	\$18.39
Engineering Physics	\$10.00	\$24.00	\$16.12
Environmental Engineering	\$12.00	\$35.00	\$21.06
Geological Engineering	\$10.00	\$34.00	\$17.30
Geophysical Engineering	\$11.25	\$40.00	\$20.72
Mathematics	\$10.00	\$24.15	\$16.43
Mechanical Engineering	\$8.00	\$37.80	\$18.59
Metallurgical & Materials Engineering	\$8.50	\$28.31	\$18.68
Mining Engineering	\$8.25	\$25.00	\$21.15
Petroleum Engineering	\$11.00	\$44.45	\$31.89
<b>Summer 2013 Graduate Level Internships Average Hourly Salary</b>			
<b>Student Major</b>	<b>Low</b>	<b>High</b>	<b>Average</b>
Chemical Engineering *	\$20.00	\$34.00	\$26.33
Civil Engineering	\$13.00	\$20.00	\$17.90
Computer Science	\$40.87	\$48.08	\$43.65
Econ: Engineering Technology Management	\$19.00	\$20.24	\$19.81
Econ: Mineral & Energy Economics	\$13.50	\$35.00	\$21.94
Electrical Engineering *	\$17.00	\$26.50	\$21.88
Engineering Systems	N/A	N/A	N/A
Environmental Science & Engineering	\$8.50	\$25.90	\$18.28
Geology & Geological Engineering	\$15.00	\$53.00	\$39.30
Geophysical Engineering	\$23.17	\$55.00	\$42.46
Hydrology	N/A	N/A	N/A
Materials Science	N/A	N/A	N/A
Mathematics *	\$14.43	\$35.00	\$20.89
Mechanical Engineering	\$11.00	\$28.00	\$18.92
Metallurgical & Materials Engineering	\$20.00	\$26.35	\$22.45
Mining & Earth Systems	N/A	N/A	N/A
Petroleum Engineering	\$8.33	\$60.00	\$38.90
Physics (Applied) *	\$9.24	\$24.00	\$14.73
<p>Note: * Indicates average was calculated from two years combined, due to limited 2013 reports for that major. N/A Indicates insufficient data was received for any reporting purposes.</p>			



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### Update Report on Recent Graduates

This 2013 Career Center follow-up details the progress of Mines recent graduates. Last year's Annual Report graduates (December 2011 - August 2012) are now at **98%** BS outcomes, **99%** for MS/P and **100%** PhD. The December graduates of almost a year ago currently display outcomes of **98%** BS, **97%** MS/P and **100%** PhD. The most recent graduates (May through August 2013) are now 3-6 months from Commencement, showing outcomes of **89%** BS, **95%** MS/P, and **98%** PhD, which compares to 89% BS, 88% MS/P, 89% PhD in the same interval of the 2011-2012 report.

With this update, a review of degrees conferred shows slight variation in the actual number of graduates (with slight decrease in each of the BS and MS categories). In addition, the impact of recent reports received from graduates results in this update showing current overall outcomes rates of **91%** BS, **96%** MS, and **99%** PhD. More specifics concerning these recent graduates are shown by term of graduation in the pages ahead, as well as the current known outcomes for the 2011-2012 class.

Prior to graduation, students who are job searching are encouraged to utilize the Career Center services, available to them for up to two years following graduation while they are active seekers. We ask for current contact information utilize this to contact them to offer on-going one-on-one sessions and special workshops to assist them, as well as including them in events such as Career Day. Active job-seekers are only classified as among positive outcomes when they inform user that they have accepted a technical position within their field, or have chosen to return to graduate school. Every effort is made to contact past graduates in order to provide assistance and accurate reporting. If vigorous attempts by phone, email, and through social media such as LinkedIn, over the course of time are unsuccessful in reaching a graduate, it is presumed that the person is not in an active job search, and they are now categorized as "Unable to Contact" as seen with the unreachable persons in the update, who are now considered in the outcomes. We believe this gives a more realistic view of true status. Other graduates notifying the Career Center that they are "not looking," are also considered to be on their chosen career path. Unless accepting a U.S. based position in industry, international graduates are presumed to return to their homes after graduation, though we continue to offer services to those who stay in search of a position.

The following report includes a detailed breakdown of the outcomes status, as of November 2013, of recent graduates. A history has been provided, but only for the purpose of rough comparison with current hiring trends. For BS, MS/P, and PhD graduates, the following tables are provided:

1. **Annual Report Update**, December 2011 - August 2012 Graduates  
(Students detailed in the 2012 Annual Report)
2. **3-6 – Month Update**, May 2013 - August 2013 Graduates
3. **12 – Month Update**, December 2012 Graduates
4. **18 – Month Update**, May 2012—August 2012 Graduates

### December 2011 - August 2012 BS Graduates

(Graduates Reported in the 2011-2012 Annual Report)

OPTION	# of Graduates	# of Double Majors	Industry	Government	Military	Grad. School	Intl. Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	61	2	48	2	0	5	3	2	1	61	0	98%
Chemical & Biochemical Engineering	41	0	30	0	0	9	1	1	0	41	0	100%
Chemistry	26	2	10	1	1	12	0	1	1	26	0	96%
Computer Science	37	3	27	0	0	8	0	1	1	37	0	97%
Economics	14	3	9	0	0	3	1	1	0	14	0	100%
Engineering -Civil	69	5	55	0	0	11	0	3	0	69	0	100%
Engineering -Electrical	60	16	53	0	1	4	0	1	1	60	0	98%
Engineering -Environmental	20	0	14	0	0	6	0	0	0	20	0	100%
Engineering -Mechanical	147	21	119	2	4	17	0	2	2	146	1	99%
Geology & Geological Engineering	33	0	20	0	0	10	0	2	1	33	0	97%
Geophysics & Geophysical Engineering	20	1	12	1	0	7	0	0	0	20	0	100%
Mathematics	15	2	4	0	1	7	0	1	2	15	0	87%
Metallurgical & Materials Engineering	33	0	22	1	0	7	0	3	0	33	0	100%
Mining Engineering	23	1	15	0	0	5	3	0	0	23	0	100%
Petroleum Engineering	110	0	81	0	0	6	21	0	1	109	1	98%
Physics - Engineering	51	2	13	0	2	32	0	1	2	50	1	96%

*Sub-Totals (with double majors)*      760    58    532    7    9    149    29    19    12

<b>TOTAL</b>	<b>731</b>	<b>29</b>	<b>507</b>	<b>7</b>	<b>9</b>	<b>146</b>	<b>29</b>	<b>18</b>	<b>12</b>	<b>728</b>	<b>3</b>	<b>98%</b>
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Note: Sub-totals are not the sum of the individual students, due to the inclusion of double majors twice.  
Totals are the actual number of individuals who graduated in each category/column.

CLASS	% OUTCOMES IN ANNUAL REPORT	% OUTCOMES ONE YEAR LATER
2010 - 2011	90%	95%
2009 - 2010	85%	98%
2008 - 2009	86%	98%
2007 - 2008	94%	98%
2006 - 2007	95%	99%
2005 - 2006	90%	99%
2004 - 2005	73%	96%
2003 - 2004	68%	86%
2002 - 2003	66%	84%
2001 - 2002	68%	88%
2000 - 2001	86%	96%



**3-6 - Month Update - May-August 2013 BS Graduates**

OPTION	# of Graduates	# of Double Majors	Industry	Government	Military	Grad. School	Intl. Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	71	3	48	0	1	10	1	0	11	71	0	85%
Chemical & Biochemical Eng	47	1	24	0	0	9	0	1	13	47	0	72%
Chemistry	25	4	6	1	1	10	0	0	7	25	0	72%
Computer Science	35	3	22	0	0	11	0	1	2	35	0	94%
Economics & Business	7	3	4	0	0	2	0	0	1	7	0	86%
Engineering - Civil	51	6	39	1	1	8	0	1	1	51	0	98%
Engineering -Electrical	44	11	34	0	1	4	0	1	4	44	0	91%
Engineering -Environmental	21	0	15	0	0	3	0	2	1	21	0	95%
Engineering - Mechanical	119	13	74	1	3	19	1	3	17	118	1	86%
Geology & Geological Eng	29	1	15	1	1	7	2	1	2	29	0	93%
Geophysics & Geophysical Eng	22	1	4	0	0	13	2	0	3	22	0	86%
Mathematics	9	2	2	0	0	7	0	0	0	9	0	100%
Metallurgical & Materials Eng	31	0	21	0	0	7	0	1	2	31	0	94%
Mining Engineering	11	0	8	0	1	1	0	0	1	11	0	91%
Petroleum Engineering	115	1	79	0	0	11	21	1	3	115	0	97%
Physics - Engineering	44	1	9	3	0	26	0	1	5	44	0	89%

*Sub-Totals (with double majors)*    681    50    403    7    9    148    27    14    73

<b>TOTAL</b>	<b>656</b>	<b>25</b>	<b>386</b>	<b>7</b>	<b>9</b>	<b>143</b>	<b>27</b>	<b>13</b>	<b>71</b>	<b>656</b>	<b>1</b>	<b>89%</b>
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**Note:** Sub-totals are not the sum of the individual students, due to the inclusion of double majors twice.  
 Totals are the actual number of individuals who graduated in each category/column.

CLASS	% OUTCOMES AT 6 MONTHS
May-August 2012	89%
May-August 2011	88%
May-August 2010	83%
May-August 2009	84%
May-August 2008	97%
December 2007	96%
December 2006	97%
December 2005	100%
December 2004	100%
December 2003	87%
December 2002	92%
December 2001	92%

### 12 - Month Update - December 2012 BS Graduates

OPTION	# of Graduates	# of Double Majors	Industry	Government	Military	Grad. School	Intl. Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	4	0	3	0	0	0	0	1	0	4	0	100%
Chemical & BioChemical Eng	3	0	3	0	0	0	0	0	0	3	0	100%
Chemistry	4	0	1	0	0	1	0	1	1	4	0	75%
Computer Science	11	1	7	0	0	3	0	1	0	13	0	100%
Economics & Business	5	0	3	0	0	2	0	0	0	5	0	100%
Engineering - Civil	19	3	12	3	1	1	0	2	0	19	0	100%
Engineering -Electrical	16	1	12	2	1	0	0	0	1	16	0	94%
Engineering -Environmental	8	1	8	0	0	1	0	0	0	8	0	100%
Engineering - Mechanical	64	3	54	0	1	5	0	4	0	64	0	100%
Geology & Geological Eng	3	0	2	0	0	0	0	0	1	3	0	67%
Geophysics & Geophysical Eng	1	0	0	0	0	0	1	0	0	1	0	100%
Mathematics	5	0	4	0	0	0	0	0	1	5	0	80%
Metallurgical & Materials Eng	7	0	6	0	0	0	1	0	0	7	0	100%
Mining Engineering	6	0	6	0	0	0	0	0	0	6	0	100%
Petroleum Engineering	13	0	11	0	0	1	1	0	0	13	0	100%
Physics - Engineering	3	1	2	0	0	1	0	0	0	3	0	100%
<i>Sub-Totals (with double majors)</i>	172	10	134	5	3	14	3	8	0			
<b>TOTAL</b>	<b>167</b>	<b>5</b>	<b>130</b>	<b>5</b>	<b>3</b>	<b>13</b>	<b>3</b>	<b>9</b>	<b>4</b>	<b>167</b>	<b>0</b>	<b>98%</b>

Note: Sub-totals are not the sum of the individual students, due to the inclusion of double majors twice.  
 Totals are the actual number of individuals who graduated in each category/column.

CLASS	% OUTCOMES AT 12 MONTHS
December 2011	94%
December 2010	97%
December 2009	90%
December 2008	91%
December 2007	99%
December 2006	97%
December 2005	100%
December 2004	100%
December 2003	87%
December 2002	92%
December 2001	92%

**18 - Month Update May 2012 BS Graduates**

OPTION	# of Graduates	# of Double Majors	Industry	Government	Military	Grad. School	Intl. Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	52	2	41	2	0	5	1	2	1	52	0	<b>98%</b>
Chemical & Biochemical Engineering	39	0	28	0	0	9	1	1	0	39	0	<b>100%</b>
Chemistry	19	1	6	1	1	9	0	1	1	19	0	<b>95%</b>
Computer Science	24	0	16	0	0	6	0	1	1	24	0	<b>96%</b>
Economics & Business	8	1	4	0	0	2	1	1	0	8	0	<b>100%</b>
Engineering - Civil	43	3	34	0	0	8	0	1	0	43	0	<b>100%</b>
Engineering -Electrical	50	10	44	0	1	4	0	0	1	50	0	<b>98%</b>
Engineering -Environmental	19	0	13	0	0	6	0	0	0	19	0	<b>100%</b>
Engineering - Mechanical	106	13	83	1	2	16	0	1	2	105	1	<b>98%</b>
Geology & Geological Engineering	28	0	16	0	0	10	0	1	1	28	0	<b>96%</b>
Geophysics & Geophysical Engineering	16	0	9	1	0	6	0	0	1	16	0	<b>100%</b>
Mathematics	12	1	2	0	1	6	0	1	1	11	1	<b>83%</b>
Metallurgical & Materials Engineering	31	0	20	1	0	7	0	3	0	31	0	<b>100%</b>
Mining Engineering	11	1	7	0	0	3	1	0	0	11	0	<b>100%</b>
Petroleum Engineering	97	0	72	0	0	6	17	0	1	97	0	<b>98%</b>
Physics - Engineering	45	2	12	0	2	29	0	1	1	45	0	<b>98%</b>
<i>Sub-Totals (with double majors)</i>	<i>600</i>	<i>17</i>	<i>407</i>	<i>6</i>	<i>7</i>	<i>132</i>	<i>21</i>	<i>15</i>	<i>11</i>			
<b>TOTAL</b>	<b>583</b>	<b>17</b>	<b>392</b>	<b>6</b>	<b>7</b>	<b>130</b>	<b>21</b>	<b>14</b>	<b>11</b>	<b>581</b>	<b>2</b>	<b>98%</b>

Note: Sub-totals are not the sum of the individual students, due to the inclusion of double majors twice.

Totals are the actual number of individuals who graduated in each category/column.

CLASS	% OUTCOMES WITHIN 18 MONTHS
May-August 2011	94%
May-August 2010	97%
May-August 2010	97%
May-August 2009	94%
May-August 2008	99%
May-August 2007	99%
May-August 2006	99%
May 2005	98%
May 2004	97%
May 2003	92%
May 2002	90%
May 2001	96%

### December 2011 - May 2012 MS/P Graduates

(Graduates Reported in the 2011 - 2012 Annual Report)

OPTION	# of Graduates	Industry	Government	Military	Grad. School	Intl. Return- ing to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Out-comes Contacted
Chemical Engineering	9	8	0	0	1	0	0	0	9	0	100%
Chemistry	2	0	1	0	1	0	0	0	2	0	100%
Computer Science	18	17	0	0	0	1	0	0	18	0	100%
Econ - ETM	19	14	0	4	0	0	2	0	19	0	100%
Econ - Mineral & Energy Economics	32	20	3	0	1	8	0	0	32	0	96%
Engineering - Civil	13	9	0	0	2	2	0	0	13	0	100%
Engineering - Electrical	21	14	2	0	3	2	0	0	21	0	95%
Engineering - Mechanical	36	25	3	0	6	1	0	0	35	1	100%
Engineering Systems	5	5	0	0	0	0	0	0	5	0	90%
Environmental Science	31	16	5	1	5	2	1	0	39	1	94%
Geochemistry	2	2	0	0	0	0	0	0	2	0	100%
Geology & Geological Engineering	31	23	0	0	0	4	1	2	31	0	100%
Geophysics & Geophysical Engineering	17	9	1	0	1	6	0	0	17	0	100%
Hydrology	10	6	2	0	2	0	0	0	10	0	100%
Int'l Political Economy of Resources	12	4	0	0	4	1	2	1	12	0	100%
Materials Science	14	4	1	0	9	0	0	0	14	0	92%
Mathematics	10	8	0	0	2	0	0	0	10	0	100%
Metallurgical & Materials Eng	21	11	0	0	7	3	0	0	21	0	93%
Mining & Earth Systems	8	5	0	0	2	1	0	0	8	0	100%
Nuclear Engineering	3	0	1	2	0	0	0	0	3	0	100%
Petroleum Engineering	17	10	0	0	0	7	0	0	17	0	95%
Physics - Applied	8	2	1	0	5	0	0	0	8	0	100%
<b>TOTAL</b>	<b>339</b>	<b>212</b>	<b>20</b>	<b>7</b>	<b>51</b>	<b>38</b>	<b>6</b>	<b>5</b>	<b>337</b>	<b>2</b>	<b>99%</b>

CLASS	% OUTCOMES IN ANNUAL REPORT	% OUTCOMES ONE YEAR LATER
2010-2011	94%	99%
2009-2010	88%	99%
2008-2009	96%	98%
2007-2008	95%	99%
2006-2007	96%	100%
2005-2006	89%	99%
2004-2005	87%	98%
2003-2004	81%	99%
2002-2003	83%	91%
2001-2002	82%	96%
2000-2001	90%	96%

**6 - Month Update - May 2013 MS/P Graduates**

OPTION	# of Graduates	Industry	Government	Military	Graduate School	Int'l Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	4	3	0	0	0	1	0	0	4	0	100%
Chemistry	3	1	1	0	0	0	0	1	3	0	67%
Computer Science	8	7	0	0	1	0	0	0	8	0	100%
Econ - ETM	7	4	2	0	0	1	0	0	7	0	100%
Econ - Mineral & Energy Economics	19	11	1	1	2	2	0	2	19	0	89%
Engineering - Civil	13	11	2	0	0	0	0	0	13	0	100%
Engineering - Electrical	12	7	2	0	2	0	0	0	11	1	92%
Engineering - Mechanical	16	12	1	0	1	0	0	1	15	1	88%
Engineering Systems	3	1	0	0	2	0	0	0	2	0	100%
Environmental Science	14	13	0	0	1	0	0	0	14	0	100%
Geochemistry	0	0	0	0	0	0	0	0	0	0	N/A
Geology & Geological Engineering	21	19	1	0	0	1	0	0	21	0	100%
Geophysics & Geophysical Engineering	6	3	0	0	0	3	0	0	6	0	100%
Hydrology	7	5	1	0	0	0	0	1	7	0	86%
Int'l Political Economy of Resources	8	3	2	0	1	1	0	1	8	0	88%
Materials Science	4	0	1	0	1	2	0	0	4	0	100%
Mathematics	8	2	1	0	3	1	0	0	8	0	88%
Metallurgical & Materials Engineering	9	4	1	0	4	1	0	0	9	0	100%
Mining & Earth Systems	5	3	0	0	0	2	0	0	5	0	100%
Nuclear Engineering	10	3	3	0	2	0	0	2	10	0	80%
Petroleum Engineering	11	6	0	0	1	4	0	0	11	0	100%
Physics - Applied	2	0	0	1	1	0	0	0	3	0	100%
<b>TOTAL</b>	<b>190</b>	<b>118</b>	<b>19</b>	<b>2</b>	<b>22</b>	<b>19</b>	<b>0</b>	<b>8</b>	<b>188</b>	<b>2</b>	<b>95%</b>

CLASS	% OUTCOMES AT 6 MONTHS
May 2012	89%
May 2011	95%
May 2010	83%
May 2009	95%
May 2008	94%
May 2007	100%
May 2006	100%
May 2005	100%
May 2004	100%
May 2003	87%
May 2001	92%
May 2001	92%

### 12 - Month Update - December 2012 MS/P Graduates

OPTION	# of Graduates	Industry	Government	Military	Graduate School	Int'l Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	3	2	0	0	1	0	0	0	3	0	100%
Chemistry	1	0	1	0	0	0	0	0	1	0	100%
Computer Science	4	4	0	0	0	0	0	0	4	0	100%
Econ - ETM	12	7	1	1	1	1	0	1	12	0	92%
Econ - Mineral & Energy Economics	21	11	1	0	2	6	0	1	21	0	95%
Engineering - Civil (1 double major)	7	4	0	0	2	1	0	0	7	0	100%
Engineering - Electrical	16	12	0	0	3	1	0	0	16	0	100%
Engineering - Mechanical	16	11	4	0	1	0	0	0	16	0	100%
Engineering Systems	2	1	0	0	1	0	0	0	2	0	100%
Environmental Science	30	18	2	0	7	0	1	1	29	1	93%
Geochemistry	0	0	0	0	0	0	0	0	0	0	N/A
Geology & Geological Engineering	17	14	0	0	0	2	1	0	17	0	100%
Geophysics & Geophysical Engineering	12	9	0	0	2	1	0	0	12	0	100%
Hydrology	6	5	0	0	0	1	0	0	6	0	100%
Int'l Political Econ. of Resources	1	1	0	0	0	0	0	0	1	0	100%
Materials Science	5	1	0	0	3	1	0	0	5	0	100%
Mathematics	3	2	1	0	0	0	0	0	3	0	100%
Metallurgical & Materials Engineering	7	4	0	0	3	0	0	0	7	0	100%
Mining & Earth Systems (1 double major)	7	6	0	0	0	1	0	0	7	0	100%
Nuclear Engineering	5	1	0	0	3	0	0	1	5	0	80%
Petroleum Engineering	10	3	0	0	2	5	0	0	10	0	100%
Physics	5	2	0	0	2	1	0	0	5	0	100%
<i>Sub-Totals (with double majors)</i>	190	118	10	1	33	21	2	5			
<b>TOTAL</b>	<b>189</b>	<b>117</b>	<b>10</b>	<b>1</b>	<b>33</b>	<b>21</b>	<b>2</b>	<b>5</b>	<b>189</b>	<b>1</b>	<b>97%</b>

CLASS	% OUTCOMES AT 12 MONTHS
December 2011	100%
December 2010	95%
December 2009	93%
December 2008	97%
December 2007	100%
December 2006	100%
December 2005	100%
December 2004	100%
December 2003	87%
December 2001	92%

**18- Month Update May 2012**
**MS/P Graduates**

OPTION	# of Graduates	Industry	Government	Military	Graduate School	Int'l Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	4	4	0	0	0	0	0	0	4	0	100%
Chemistry	1	0	1	0	0	0	0	0	1	0	100%
Computer Science	8	8	0	0	0	0	0	0	8	0	100%
Econ - ETM	11	9	0	1	0	0	1	0	11	0	100%
Econ - Mineral & Energy Economics	14	8	1	0	1	3	0	0	14	1	100%
Engineering - Civil	7	6	0	0	0	1	0	0	7	0	100%
Engineering - Electrical	11	10	1	0	0	0	0	0	11	0	100%
Engineering - Mechanical	22	15	2	0	4	0	0	1	22	0	95%
Engineering Systems	2	2	0	0	0	0	0	0	2	0	100%
Environmental Science	13	6	1	1	3	1	0	0	12	1	100%
Geochemistry	2	2	0	0	0	0	0	0	2	0	100%
Geology & Geological Engineering	17	12	0	0	0	2	1	2	17	0	88%
Geophysics & Geophysical Engineering	9	5	0	0	1	3	0	0	9	0	100%
Hydrology	4	2	1	0	1	0	0	0	4	0	100%
Int'l Political Econ. of Resources	7	1	0	0	3	1	1	1	7	0	86%
Materials Science	5	1	0	0	4	0	0	0	5	0	100%
Mathematics	8	6	0	0	2	0	0	0	8	0	100%
Metallurgical & Materials Engineering	8	5	0	0	3	0	0	0	8	0	100%
Mining & Earth Systems	5	4	0	0	1	0	0	0	5	0	100%
Nuclear Engineering	2	0	0	2	0	0	0	0	2	0	100%
Petroleum Engineering	10	6	0	0	0	4	0	0	10	0	100%
Physics	5	1	1	0	3	0	0	0	5	0	100%
<b>TOTAL</b>	<b>175</b>	<b>113</b>	<b>9</b>	<b>4</b>	<b>26</b>	<b>15</b>	<b>3</b>	<b>4</b>	<b>173</b>	<b>2</b>	<b>99%</b>

CLASS	% OUTCOMES AT 18 MONTHS
May 2011	99%
May 2010	99%
May 2009	99%
May 2008	99%
May 2007	100%
May 2006	98%
May 2005	99%
May 2004	93%
May 2003	83%
May 2002	88%
May 2001	88%

### December 2011 - May 2012 PhD Graduates

(Graduates Reported in the 2011-2012 Annual Report)

OPTION	# of Graduates	Industry	Government	Military	Grad. School	Intl. Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	3	3	0	0	0	0	0	0	3	0	100%
Chemistry	1	1	0	0	0	0	0	0	1	0	100%
Computer Science	2	1	1	0	0	0	0	0	2	0	100%
Econ - Mineral & Energy Economics	5	3	0	1	0	1	0	0	5	0	100%
Engineering - Civil	0	0	0	0	0	0	0	0	0	0	NA
Engineering - Electrical	2	1	0	0	0	1	0	0	2	0	100%
Engineering - Mechanical	3	1	0	0	0	2	0	0	3	0	100%
Engineering - Systems	2	1	1	0	0	0	0	0	2	0	100%
Environmental Science	8	2	6	0	0	0	0	0	8	0	100%
Geochemistry	0	0	0	0	0	0	0	0	0	0	NA
Geology & Geological Engineering	3	1	2	0	0	0	0	0	3	0	100%
Geophysics & Geophysical Engineering	3	1	1	0	0	1	0	0	3	0	100%
Hydrology	0	0	0	0	0	0	0	0	0	0	NA
Materials Science	5	2	1	0	0	1	0	1	4	0	100%
Math & Computer Science	1	1	0	0	0	0	0	0	1	0	100%
Metallurgical & Materials Engineering	6	4	1	0	0	1	0	0	6	0	100%
Mining & Earth Systems	2	2	0	0	0	0	0	0	2	0	100%
Nuclear Engineering	1	1	0	0	0	0	0	0	1	0	100%
Petroleum Engineering	9	5	2	0	0	2	0	0	9	0	100%
Physics - Applied	3	1	2	0	0	0	0	0	3	0	100%

<b>TOTAL</b>	<b>59</b>	<b>31</b>	<b>17</b>	<b>1</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>1</b>	<b>100%</b>
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CLASS	% OUTCOMES IN ANNUAL REPORT	% OUTCOMES ONE YEAR LATER
2010-2011	98%	100%
2009-2010	100%	100%
2008-2009	96%	100%
2007-2008	97%	100%
2006-2007	98%	98%
2005-2006	97%	100%
2004-2005	88%	94%
2003-2004	86%	100%
2002-2003	100%	100%
2001-2002	96%	96%
2000-2001	90%	90%



**6 - Month Update - May 2013 PhD Graduates**

OPTION	# of Graduates	Industry	Government	Military	Graduate School	Int'l Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	0	0	0	0	0	0	0	0	0	0	N/A
Chemistry	3	1	1	0	0	1	0	0	4	0	100%
Computer Science	2	1	1	0	0	0	0	0	2	0	100%
Economics - Mineral & Energy Economics	1	0	1	0	0	0	0	0	1	0	100%
Engineering - Civil	0	0	0	0	0	0	0	0	0	0	N/A
Engineering - Electrical	3	1	0	0	0	2	0	0	3	0	100%
Engineering - Mech	1	1	0	0	0	0	0	0	1	0	100%
Engineering - Systems	1	0	1	0	0	0	0	0	1	0	100%
Environmental Science	2	0	2	0	0	0	0	0	2	0	100%
Geochemistry	2	1	1	0	0	0	0	0	2	0	100%
Geology & Geological Engineering	2	1	0	0	0	1	0	0	2	0	100%
Geophysics & Geophysical Engineering	2	1	0	0	0	0	0	1	2	0	50%
Hydrology	4	1	3	0	0	0	0	0	4	0	100%
Materials Science	7	2	4	0	0	1	0	0	7	0	100%
Math & Computer Science	1	0	1	0	0	0	0	0	1	0	100%
Metallurgical & Materials Engineering	3	3	0	0	0	0	0	0	3	0	100%
Mining & Earth Systems	3	1	0	0	0	1	1	0	3	0	100%
Nuclear Engineering	1	0	1	0	0	0	0	0	1	0	100%
Petroleum Engineering	2	1	1	0	0	0	0	0	2	0	100%
Physics - Applied	0	0	0	0	0	0	0	0	0	0	N/A

<b>TOTAL</b>	<b>40</b>	<b>15</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>1</b>	<b>40</b>	<b>0</b>	<b>98%</b>
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CLASS	% OUTCOMES AT 6 MONTHS
May 2012	100%
May 2011	89%
May 2010	100%
May 2009	96%
May 2008	100%
May 2007	100%
May 2006	100%
May 2005	100%
May 2004	100%
May 2003	87%
May 2002	92%
May 2001	92%

### 12 - Month Update - December 2012 PhD Graduates

OPTION	# of Graduates	Industry	Government	Military	Grad. School	Intl. Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	3	2	1	0	0	0	0	0	3	0	100%
Chemistry	2	1	1	0	0	0	0	0	2	0	100%
Computer Science	2	0	2	0	0	0	0	0	2	0	100%
Economics - Mineral & Energy Economics	3	0	0	2	1	0	0	0	3	0	100%
Engineering - Civil	2	1	0	0	0	1	0	0	2	0	100%
Engineering - Electrical	2	0	1	0	0	1	0	0	2	0	100%
Engineering - Mech	0	0	0	0	0	0	0	0	0	0	N/A
Engineering - Systems	1	1	0	0	0	0	0	0	1	0	100%
Environmental Science	1	0	1	0	0	0	0	0	1	0	100%
Geochemistry	0	0	0	0	0	0	0	0	0	0	N/A
Geology & Geological Engineering	4	2	1	0	0	0	1	0	4	0	100%
Geophysics & Geophysical Engineering	3	2	0	0	0	1	0	0	3	0	100%
Hydrology	1	0	1	0	0	0	0	0	1	0	100%
Materials Science	9	3	4	0	0	2	0	0	9	0	100%
Mathematics	0	0	0	0	0	0	0	0	0	0	N/A
Metallurgical & Materials Engineering	1	1	0	0	0	0	0	0	1	0	100%
Mining & Earth Systems	1	0	0	0	0	1	0	0	1	0	100%
Nuclear Engineering	0	0	0	0	0	0	0	0	0	0	N/A
Petroleum Engineering	1	1	0	0	0	0	0	0	1	0	100%
Physics - Applied	7	2	5	0	0	0	0	0	7	0	100%

<b>TOTAL</b>	<b>43</b>	<b>16</b>	<b>17</b>	<b>2</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>0</b>	<b>43</b>	<b>0</b>	<b>100%</b>
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CLASS	% OUTCOMES AT 12 MONTHS
December 2011	100%
December 2010	100%
December 2009	100%
December 2008	100%
December 2007	100%
December 2006	97%
December 2005	100%
December 2004	95%
December 2003	100%
December 2002	100%
December 2001	100%

**18 - Month Update - May 2012 PhD Graduates**

OPTION	# of Graduates	Industry	Government	Military	Grad. School	Intl. Returning to Country	Not Looking	Seeking	Contacted Students	Unable to Contact	% Outcomes Contacted Students
Chemical Engineering	1	1	0	0	0	0	0	0	1	0	100%
Chemistry	0	0	0	0	0	0	0	0	0	0	100%
Computer Science	1	0	1	0	0	0	0	0	1	0	100%
Economics - Mineral & Energy Economics	3	3	0	0	0	0	0	0	3	0	100%
Engineering - Civil	0	0	0	0	0	0	0	0	0	0	N/A
Engineering - Electrical	0	0	0	0	0	0	0	0	0	0	N/A
Engineering - Mech	2	1	0	0	0	1	0	0	2	0	100%
Engineering - Systems	0	0	0	0	0	0	0	0	0	0	N/A
Environmental Science	5	1	4	0	0	0	0	0	5	0	100%
Geochemistry	0	0	0	0	0	0	0	0	0	0	N/A
Geology & Geological Engineering	3	1	2	0	0	0	0	0	3	0	100%
Geophysics & Geophysical Engineering	1	0	1	0	0	0	0	0	1	0	100%
Hydrology	0	0	0	0	0	0	0	0	0	0	N/A
Materials Science	1	0	0	0	0	0	0	1	0	0	0%
Math & Computer Science	1	1	0	0	0	0	0	0	1	0	100%
Metallurgical & Materials Engineering	4	2	1	0	0	1	0	0	4	0	100%
Mining & Earth Systems	1	1	0	0	0	0	0	0	1	0	100%
Petroleum Engineering	1	1	0	0	0	0	0	0	1	0	100%
Nuclear Engineering	3	1	2	0	0	0	0	0	3	0	100%
Physics - Applied	1	0	1	0	0	0	0	0	1	0	100%

<b>TOTAL</b>	<b>48</b>	<b>18</b>	<b>18</b>	<b>1</b>	<b>0</b>	<b>10</b>	<b>1</b>	<b>0</b>	<b>48</b>	<b>1</b>	<b>100%</b>
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CLASS	% OUTCOMES AT 18 MONTHS
May 2010	100%
May 2010	100%
May 2009	100%
May 2008	100%
May 2007	97%
May 2006	100%
May 2005	100%
May 2004	100%
May 2003	100%
May 2002	96%
May 2001	90%

CSM Recruiter List - August 2012 through July 2013  
 Organizations Recruiting by Online (DiggerNet) and/or On-Campus Participation  
**(BOLD and CAPs = On-Campus Career Day and/or Interviews/Information Sessions)**

105 West  
 20/20 Engineering  
 2H Offshore  
 A.G. Wassenaar  
 AAA Northern CA, NV & UT Insurance Exchange  
 Accelrys  
 Access Data  
 Active Website  
 Adaequare  
 AdamWorks  
 Advanced Coordinate Technology (ACT)  
**ADVANCED FORMING TECHNOLOGY**  
 Advanced Mirco Devices  
 Advanced Technology & Research Corporation  
 AECOM  
**AERA ENERGY**  
**AEROFLEX**  
 AetherWorks  
 AGCO  
**AGILENT TECHNOLOGIES**  
 Agility Recovery Solutions  
 AGL Resources  
**AGRIUM WHOLESALE**  
 Agua Caliente  
**AIR FORCE RESERVE**  
**AIR MANAGEMENT TECHNOLOGY**  
 Air Sciences  
 AirCell  
**AK STEEL**  
 Alarm.com  
 Alcatel-Lucent  
**ALCHEMY API**  
 Alcoa  
 Aldea Services

ALIO Industries  
 Allied Group  
**ALLIED NEVADA GOLD CORPORATION**  
 Allied Wireless  
 Alpha Data  
 Alstom Power/Air Preheater Co./Raymond  
 Altius Space Machines  
 Amazon  
 AMD  
**AMERICAN ASSOC. FOR ADV. OF SCI. (AAAS)**  
 American Coalition for Clean Coal Elec. (ACCCE)  
 Am. Museum of Natural Hist. MAT Program  
**AMERICORPS NCCC**  
 Ameson Edu. and Cultural Exchange Foundation  
**AMG VANADIUM**  
**ANADARKO PETROLEUM CORPORATION**  
**ANGLOGOLD ASHANTI**  
**ANHEUSER-BUSCH**  
 Ansys  
**ANVIL CORPORATION**  
**APACHE CORPORATION**  
 Apogee Engineering  
 Appion  
 Applt Ventures  
**APPLIED CONTROL EQUIPMENT**  
 AppliedTrust  
**APW WYOTT**  
**ARCADIS**  
**ARCELORMITTAL**  
**ARCH COAL**  
 Arcoplate manufacturer of Alloy Steel Int'l  
 Arden Reed  
 Argonne National Labs  
 Arizona Department of Water Resources

Armada Supply Chain Company

Array BioPharma

Arrow Partnership

Article One Partners

**ASARCO**

Ashland

AspenCloud

AT&T

Atacama Water & Technology

**ATK LAUNCH SYSTEMS**

**ATKINSON CONSTRUCTION**

Atlas Copco CMT USA

Atlas Energy

Atlas Pacific Engineering Company

ATMEL Corporation

**ATNA RESOURCES LTD**

Auburn University

**AUDUBON ENGINEERING**

**AUSTIN EXPLORATION**

**AUSTRALIAN GOV'T - DEP. OF IMMIGRATION**

Autodesk

Autoliv ASP

**AVAGO TECHNOLOGIES**

Avant Energy

AVAYA

Aventura HQ

AWR Corporation

Backcountry.com

Bair Analytics

**BAKER HUGHES**

Balfour Beatty Infrastructure

**BALL AEROSPACE & TECHNOLOGIES CORP.**

**BALL CORPORATION**

BAND-IT-IDEX

Bard Therapeutic Temp. Mgmt (Medivance)

**BARNARD CONSTRUCTION COMPANY**

Barr and Associates

**BARR ENGINEERING**

**BARRICK GOLD OF NORTH AMERICA**

Bayfield School District 10 Jt-R

BCS

**BD DIAGNOSTICS (BECTON DICKINSON)**

Bechtel Corporations

**BEKAERT**

**BENTEK ENERGY**

Bentley Systems

**BERRY PETROLEUM COMPANY**

BeverageGrades (SmartPour)

**BGC ENGINEERING**

**BHP BILLITON**

**BHP BILLITON - NEW MEXICO COAL**

**BHP BILLITON - PETROLEUM**

**BIMBO BAKERIES USA**

**BIMSHIFT**

Biomedical Device Consultants & Laboratories

Bishop-Brogden Associates

**BLACK & VEATCH**

**BLACK HILLS CORPORATION**

Black Hills Information Security

Blackeagle Energy Services

Bloomberg

Blue Lotus Design & Landscape

Blueprint Schools Network

**BLUWARE**

BMO Capital Markets

Bock and Clark Environmental

Boecore

**BOEING**

Boettcher Teachers Program

Bolder Software

**BP**

Bradbury Company

Brimhall Industrial

Brinks Engineering

Brocade

**BROWN AND CALDWELL**

**BRIS**

Bryan Research & Engineering

Bureau of Land Management (BLM) - Nevada

Bureau of Land Management (BLM)-Colorado

**BUREAU OF RECLAMATION**

**BURNS & MCDONNELL**

C2 Education

Cable Television Laboratories

Caldera Engineering

Calibre Engineering

**CALIFORNIA STEEL**

Calpine Corporation

CalPortland

Calypso Software

Cannon Associates

Canoe Ventures

**CANRIG DRILLING TECHNOLOGY**

Capitol Aggregates

CaptiveAire

CardioNXT

Carefree of Colorado

Carestream

**CARLSON SOFTWARE**

CarryOn

Casimir Capital

**CATERPILLAR**

Catholic Health Initiatives

Causey Demgen & Moore

Cbeyond

**CDM SMITH**

Center for Bright Kids

Centerline Solutions

CenturyLink

Certol International

CEXEC

**CH2M HILL**

Challenge Detroit

Charter School Growth Fund

Checkers Industrial Safety Products

**CHESAPEAKE ENERGY CORPORATION**

**CHEVRON CORPORATION**

**CHEVRON PHILLIPS CHEMICAL COMPANY**

**CIMAREX ENERGY COMPANY**

**CIMATION ENGINEERING**

Cisco Systems

City and County of Denver

City of Aurora

City of Colorado Springs

City of Commerce City

City of Thornton

City Year Denver

CiviCore

Clariant

Clark Construction

Clean Harbors

Clearwater Analytics

**CLIFFS NATURAL RESOURCES**

Coalfire Systems

CoBank

**COEUR D'ALENE MINES CORPORATION**

Cogent Infotech

Cohesive Technologies

CollegeDrive Test Prep & Tutoring

Colorado Bioscience Association

Colorado Cleantech Industry Association

Colorado Community College System

**CO. DEP. OF TRANSPORTATION (CDOT)**

Colorado Division of Parks and Wildlife

Colo. House of Representatives Majority Ofc.

**COLORADO JUDICIAL DEPARTMENT**

Colorado Oil & Gas Conservation Commission

**COLORADO SCHOOL OF PUBLIC HEALTH**

Colorado Secretary of State

**COLORADO SPRINGS UTILITIES**

Comcast Corporation

**CONCEPTION TO REALITY**

**CONCHO RESOURCES**

Concordia University, Irvine

Concrete Express

**CONESTOGA-ROVERS & ASSOCIATES**

Congressman Ed Perlmutter

ConMed Electrosurgery

**CONOCOPHILLIPS**

**CONSILIUM PARTNERS**

**CONSOLIDATED OIL WELL SERVICES**

CONTECH Engineered Solutions

**CONTI GROUP**

**CONTINENTAL RESOURCES**

ConverDyn

**COVIDIEN**

**CREDERA**

Cree

**CRESCENT POINT ENERGY**

Cryotorr Scientific Corporation  
Crystal River Oil and Gas  
CSU Extension Jefferson County  
CU Service Network

**CUDD ENERGY SERVICES**

Cummins Rocky Mountain  
Dakota Gasification Company  
Dal-Tile Corporation  
Daniel B. Stephens & Associates (DBS&A)

**DATALOGIX**

DataVerity

**DCP MIDSTREAM****DENBURY RESOURCES**

Denver Energy Group  
Denver Museum of Nature and Science

**DPS - DEN. TEACHER RESIDENCY PROGRAM****DENVER WATER DEPARTMENT**

Department of State  
Department of Veterans Affairs  
Desert Mountain Corporation  
designAmerica

**DEVON ENERGY**

Dex One  
DHGlabe and Associates

**DIETERICH STANDARD****DISNEY ONLINE BOULDER STUDIOS****DORANIX****DBL ENCORE (XCELLENT CREATIONS)**

Douglas County

**DOW CHEMICAL COMPANY**

DTE Energy Resources  
DuPont Engineering  
E-470 Public Highway Authority (PHA)  
EAI

Eaton Corporation

EchoStar Communications

Eclipse Resources

Ecocion Environmental Solutions

**EDWARD KRAEMER & SONS**

El Pomar Foundation

**ELECTRICAL CONSULTANTS**

Electro Magnetic Applications

**ELLWOOD GROUP**

Eltron Research & Development

**EMC CORPORATION**

Emerge Medical  
Emerson ERS - Electrical Reliability Services  
Emma L. Bowen Foundation  
EN Engineering

**ENCANA OIL & GAS**

Enduring Resources

**ENERGY CORPORATION OF AMERICA****ENERGY IQ****ENERGY RESOURCES CONSERVATION BOARD****ENERPLUS****ENGINEERING ANALYTICS**

Engineers for the Construction Industry  
EnglishJobLinks.com

**ENRC AFRICA**

Enserca Engineering  
Ensto

Entercom

Enterprise Holdings

**ENTRÉE GOLD (US)**

Environmental Planning Group  
Environmental Resources Management

**EOG RESOURCES****EP ENERGY (formerly El Paso Corp)****EPIC****EQT CORPORATION**

ERCOT - Electric Reliability Council of Texas  
Escape Dynamics  
Esri

ESSMetron

ETS Tech-Ops

EUCI

**EVRAZ—PUEBLO**

EVS

**EXXONMOBIL**

Facility Engineering Associates. P.C.

**FAST ENTERPRISES**

FBI (Federal Bureau of Investigation)

**FCI CONSTRUCTORS**

FDG Incorporated

Federal Highway Administration

Felsburg Holt & Ullevig  
**FIDELITY EXPLORATION & PRODUCTION CO.**  
Firth Rixson Limited  
**FLATIRONS SOLUTIONS**  
**FLSMIDTH**  
**FLUOR CORPORATION**  
**FMC CORPORATION**  
**FMC TECHNOLOGIES**  
Foothills Chapel  
**FOUR WINDS INTERACTIVE**  
**FREEPORT MCMORAN COPPER & GOLD**  
**FRITO-LAY**  
**FRONTIER AIRLINES**  
FTI Consulting  
Fusion-io  
Galaxy Unite  
**GALLOWAY & COMPANY**  
**GALT AND COMPANY**  
**GAMING LABORATORIES**  
Gardner Denver Water Jetting Systems  
Garmin International  
**GAS COMPRESSOR CONSULTANTS**  
**GATES CORPORATION**  
GCC of America  
**GE POWER & WATER**  
**GEA WESTFALIA SEPARATOR**  
General Dynamics Land Systems  
General Dynamics, Ordnance and Tactical Syst.  
General Electric  
**GENERAL KINEMATICS**  
Genscape  
Geomega  
**GEORGIA PACIFIC**  
Geoscience Earth and Marine Services  
**GEOSTABILIZATION INT'L**  
**GERDAU**  
Global Geophysical Services  
**GLOBAL RESOURCE ENGINEERING LTD**  
GlobalData  
GlobaLogix  
**GOLD FIELDS EXPLORATION**  
**GOLDCORP**

Golden Marketing  
Golden Software  
**GOLDER ASSOCIATES**  
Goodwill Industries of Denver  
**GORILLA LOGIC**  
GQR Global Markets  
Grand Teton National Park  
Gulfstream Aerospace  
**GWD ENGINEERING & DESIGN**  
**GYRODATA**  
**HALLIBURTON**  
Hanes Geo Components  
Harris Kocher Smith  
**HATCH MOTT MACDONALD**  
Hayward Baker  
Hazelett Corporation  
**HEALTH LANGUAGE**  
HealthCare Appraisers  
**HECLA MINING COMPANY**  
**HEICO WIRE**  
**HELMERICH & PAYNE**  
**HENSEL PHELPS CONSTRUCTION COMPANY**  
Hensley Industries  
**HESS CORPORATION**  
Heuer Labs  
Hewlett-Packard Company  
**HGST, A WESTERN DIGITAL COMPANY**  
Hill Geophysical Consulting  
Hitchiner Manufacturing Company  
**HOLLYFRONTIER COMPANIES**  
Home Advisor  
HomeAway.com  
Honda of America Mfg.  
**HONEYWELL**  
Hong Kong Economic and Trade Office of SF  
Horizon Computer Services  
HTM Construction Company  
Hurst Metallurgical Research Laboratory  
Hycroft Resources & Development  
IAC Group  
**IAMGOLD CORPORATION**  
**IBM SYSTEMS & TECHNOLOGY GROUP**



iConsult US

Idaho Department of Lands

Idaho National Laboratory

IDS North America

Ifficient

**IHS**

ILX Lightwave

**IMERYS**

Implematics Consulting Group

**INBERG-MILLER ENGINEERS**

Independent Power Systems

Industrial Alloys

Industrial Cooling Solutions

Infinite Automation Systems

InfoFUSION

InfoPrint Solutions Company

Ingersoll Rand

Innotech Energy

Innovative Signal Analysis

Institute for Comp. Engineering and Sciences

Institute for Humane Studies

Integral Advisors Corporation

Integrated Real Estate Development

Integrated Recycling Technologies

**INTEL CORPORATION**

Intellidata

**INTELLIGENT SOFTWARE SOLUTIONS**

IntelliProp

Intercontinental PotashCorp.

Interlake Mecalux

INTERLINK Language Centers

Intermountain Cons. Professional Engineers

International Finance Corporation

**INTERTEK****INTREPID POTASH**

INVIDI Technologies Corporation

IOFINA

IQNAVIGATOR

iReservoir.com

**ITN ENERGY SYSTEMS**

ITT Exelis, SENSOR Program

Ivinson Memorial Hospital

J.P. Turner &amp; Company

**JACOBS**

James Engineering

Janus Capital Group

Jefferson County Government

**JEFFERSON COUNTY WORKFORCE CENTER**

Jemison Demsey Metals

JEMSU

**JEPPESEN SANDERSON**

Jive Software

**JOHNS MANVILLE**

Johnson &amp; Johnson

Johnson Controls

Joint Research Centre

**JOY GLOBAL - SURFACE MINING (P&H Mining)**

JPMA

JR Engineering

**JUNCTION SOLUTIONS**

juwi solar

K.P. Kauffman Company

**KADRMAS LEE & JACKSON****KAHUNA VENTURES****KAISER PERMANENTE**

Kam Controls

**KANSAS DEPT. OF TRANSPORTATION**

Kansas State University

Karcher North America

Kent Denver School

Keymark Enterprises

KGHM International

**KIEWIT UNDERGROUND**

Killam Oil Company

**KIMLEY HORN AND ASSOCIATES**

King Steel Corporation

**KINROSS GOLD USA**

Kirk Erectors

**KNIGHT PIESOLD**

Knott Laboratory

**KNS COMMUNICATIONS CONSULTANTS**

Kondex Corporation

LabJack

Landon IP  
 Laserfiche  
 Lawrence Berkeley National Laboratory  
**LEHIGH HANSON**  
 Leonard Rice Engineers  
 Leppert Associates  
 Leprino Foods Company  
**LEVEL 3 COMMUNICATIONS**  
 Levels Beyond  
**LEXMARK INTERNATIONAL**  
**LGS INNOVATIONS**  
 Lhoist North America  
 LifeBound  
 Lifeloc Technologies  
 LifePics  
 LightSquared  
**LINCOLN ELECTRIC**  
 Linde  
 Liquidyne Process Technology  
 Liventus  
 LiveRamp  
**LOCKHEED MARTIN**  
**LOGAN ALUMINUM**  
 LRL Construction Company  
 LSI -Logical Systems  
 LumenData  
**LUMINANT**  
 Lyman Richey Sand & Gravel  
 LyondellBasell  
**MAERSK OIL**  
 Magellan Midstream Partners, L.P.  
 MAGNESITA  
**MAGNETATION**  
 Magswitch Technology  
 Mainstream Engineering  
 Manhard Consulting  
**MARATHON OIL CORPORATION**  
**MARKIT ON DEMAND**  
**MARQUEZ ENVIRONMENTAL SERVICES**  
 Marquis Alliance Energy Group USA  
 Martin Marietta Materials  
**MARTIN/MARTIN CONSULTING ENGINEERS**

Match Education  
**MATRIX TECHNOLOGIES**  
 Maxim Integrated Products  
 McDade-Woodcock  
 McGeorge Contracting Company  
 McGraw-Hill Financial- S&P Capital IQ  
 McInnes Rolled Rings  
**MCKINSEY & COMPANY**  
**MDA INFORMATION SYSTEMS**  
 MDC Holdings - Richmond American Homes  
 MDH Engineered Solutions  
 ME GLOBAL - ME ELEC METAL  
 Medicine Bow-Routt National Grassland  
**MEDKEEPER**  
**MEDTRONIC**  
 Mellott Company  
 Mentor Graphics  
 Merco  
 Mercury  
**MERITAGE MIDSTREAM**  
**MERKLE**  
**MERRICK & COMPANY**  
 MetLife  
 Metro Wastewater Reclamation District  
 Metso Minerals Industry  
 Michael Baker Jr.  
 Michels Corporation  
**MICORSEISMIC**  
**MICRO MOTION**  
 microDATA  
 Micron Technology  
 MicroSeismic  
**MICROSOFT CORPORATION**  
 Mielke Electric Works  
**MILE HIGH YOUTH CORPS**  
**MILENDER WHITE CONSTRUCTION CO.**  
 MillerCoors  
**MINE SITE TECHNOLOGIES**  
 Miranda Technologies  
 Missile Defense Agency  
 Mithril Capital Management  
 M-Marketing Group

Modular Robotics

Monsanto

Moog

Morgan Technical Ceramics/WESGO Metal

**MORTENSON CONSTRUCTION**

Mountainside Medical Colorado

MSM Security Services

Muller Engineering Company

**MULTIPHASE SOLUTIONS KENNY**

Murex Environmental

mVentix

mywedding.com

**NABORS COMPLETION & PRODUCTION**

**NACE ROCKY MOUNTAIN SECTION**

Nalco, an Ecolab Company

NASA -Undergraduate Research Program

National Cooperative Refinery Association

**National Inst of Standards Technology (NIST)**

**NATIONAL INSTRUMENTS**

National Loan Exchange

**NATIONAL OILWELL VARCO**

**NATIONAL RENEWABLE ENERGY LAB (NREL)**

**NATIONAL ROBOTICS ENG. CENTER**

National Society of Leadership and Success

**NAVAJO NATION OIL AND GAS COMPANY**

Naval Facilities Engineering Command - SW

Naval Surface and Air Warfare Center

Navigant

NCH Software

ND Public Service Commission

Nebraska Public Power District

Neo Prism Solutions

Neumann Systems Group

New Sky Energy

New West Technologies

**NEWFIELD EXPLORATION**

Newfield Wireless

**NEWMONT MINING**

NexGen Technologies

Next Generation Solutions

NFT

**NIAGARA BOTTLING**

Ninyo & Moore Geotechnical Consultants

**NOBLE ENERGY**

Noel Community Arts School

Nordstrom fsb

Norfolk Southern

Northpointe

**NORTHROP GRUMMAN CORPORATION**

**NORTHWESTERN MUTUAL-CUNNINGHAM**

**NORTHWESTERN MUTUAL - WEST DENVER**

Norwest Applied Hydrology

**NORWEST CORPORATION**

NOV Quality Tubing

Novinda Corporation

Novinium

Nuclear Energy Institute

**NUCOR STEEL**

Nucor Steel - Utah

Nucor Steel - Arkansas

Numerica Corporation

NutraTech Ltd

Oak Ridge Institute for Science and Education

**OASIS PETROLEUM**

**OCCIDENTAL PETROLEUM CORPORATION**

OdysseyRe

**OFFICE OF MINERALS EVALUATION**

Oldcastle Precast

**OLSSON ASSOCIATES**

Ombud

Omya

OpenLogic

OpenSnow

**OPTASENSE LTD**

OptiMiser

OptTek Systems

OrderAhead

Oregon Bus Project

**ORICA USA**

OSIsoft

Overland Conveyor Company

OXLO Systems

**P&G (PROCTER & GAMBLE)**

P3XBRL

PA Consulting Group

**PACIFIC NORTHWEST NATIONAL LABORATORY**

Pacific Product Solutions

PacifiCorp

PaleoResearch Institute

Panda Express

Paradigm Shift Solutions

Paragon 28

**PARIVEDA SOLUTIONS**

Parker Aerospace

Parsons

Pasadena Educational Foundation

Pathfinder Systems

Patrick Company

Paycom

**PDC ENERGY**

**PEABODY ENERGY**

**PEACE CORPS**

Peak Athletics Club

**PEARSON TECHNOLOGY**

People Recruit

**PERFICIENT**

**PERFORMANCE ASSOCIATES INTERNATIONAL**

**PETERSON ENERGY MANAGEMENT**

**PETROBRAS AMERICA**

Petroleum Field Services

**PHILLIPS 66**

Photo Stencil

Picosecond Pulse Labs

**PIONEER NATURAL RESOURCES**

**PIVOTAL LABS**

Plains Exploration & Production Company

Platte River Associates

Plibrico Company

PMPC

Polaris Industries

Ponderosa Advisors

## **POWER ENGINEERS**

Precise Cast Prototypes & Engineering

**PRECISION CASTPARTS CORPORATION**

Precision Pipe & Vessel

**PREMIER ROOFING**

Prescient

Primal Innovation

PrimusLabs.com

Prism Software

Professional Service Industries (PSI)

Progress Rail Services

**PROLINK SOLUTIONS**

Protective Relay Engineering

ProtoTest

Provident Funding

Pub. Allies at Eagle Rock School & Prof. Dev. Ctr.

**PUGET SOUND NAVAL SHIPYARD**

Purple Land Management

Push IO

PV Measurements

**QEP RESOURCES**

Quadna

**QUALVU**

Quanta Power Generation

Quantum Water Consulting

Quark

Quest Product Development Corporation

R/X Automation Solutions

**RADYNE CORPORATION**

Railroad Commission of Texas

**RALLY SOFTWARE DEVELOPMENT**

Rare Element Resources

Raytheon Company

RCP

RE/MAX Alliance - Evergreen

RE/SPEC

**READYTALK**

Real Goods Solar

Reasoning Mind

**RECONDO TECHNOLOGY**

**REGIONAL TRANSPORTATION DISTRICT (RTD)**

Reglera

Renewable Choice Energy

**RENEWABLE ENERGY SYSTEMS AMERICAS (RES)**

Resource West

**RETURN PATH**

Reynolds & Reynolds

RezStream

RHI US Ltd

Rhombus Power

**RICOH PRODUCTION PRINT SOLUTIONS CO**

Right Response

Right Stuff Equipment

**RINCON RESEARCH CORPORATION**

**RIO TINTO**

Riviera Black Hawk Casino

RLG International

Rock Hog Drilling Products

Rocky Mountain Nature Association

Rocky Mountain Reagents

Rocky Mountain Scientific Laboratory

**ROONEY ENGINEERING**

**ROSETTA RESOURCES**

Roux Associates

RRSA

Rummel Construction

**RYAN DIRECTIONAL SERVICES**

SAK Construction

Sakakawea Ventures

**SALESFORCE.COM**

Samson Resources

Samsung Austin Semiconductor

**SANDIA NATIONAL LABS**

SanDisk Corporation

Sandoz

**SANDRIDGE ENERGY**

**SANDVIK MINING**

**SANJEL USA**

Savannah River Nuclear Solutions

SB International

**SCHLUMBERGER**

Schmueser Gordon Meyer

**SCHNEIDER ELECTRIC**

Schweitzer Engineering Laboratories

**SCIENTIFIC DRILLING INTERNATIONAL**

**SCITOR CORPORATION**

Scot Forge Company

SDL International

**SEAGATE**

**SEAKR ENGINEERING**

Searing Industries

Senator Michael Bennet's Office

Sencore

Servosity

**SEVERSTAL NORTH AMERICA**

Shane Company

Shea Homes

**SHELL**

**SHIMMICK CONSTRUCTION**

**SHORT ELLIOTT HENDRICKSON INC (SEH)**

**SIERRA DETENTION SYSTEMS**

**SIERRA NEVADA CORPORATION**

**SIGMA<sup>3</sup> INTEGRATED RESERVOIR SOLUTIONS**

**SINCLAIR OIL**

Sinton Instruments

**SKANSKA USA**

**SKF USA**

SkyFuel

Slalom Consulting

**SM ENERGY**

SNF

**SOLAR TURBINES**

Solaris Install and Systems Management

**SOLVAY CHEMICALS**

**SOUTHERN UTE GROWTH FUND**

**SOUTHWESTERN ENERGY**

Space Foundation

Spatial Corporation

Special Metals Corporation

Spectra Energy

**SPECTRA LOGIC**

**SPECTRANETICS**

**SPINFUSION**

Spiremedia

**SPOTXCHANGE**

Springs Fabrication

SRK Consulting

SRS

**SSAB**

SSP Innovations

Standing Cloud

**STANLEY CONSULTANTS**

Startup Colorado

Statera

**STATOIL**

Steel Dynamics

Steelhead Composites

Stifel

**STILLWATER MINING COMPANY**

StrataGen Engineering

Streffco Consultants

STRIVE Preparatory Schools

**STRUCTURAL INTEGRITY ASSOCIATES**

**STUPP CORPORATION**

Subex

SULZER Pumps US

Summit Utilities

**SUN PRODUCTS**

**SUNCOR ENERGY**

**SUNDYNE CORPORATION**

Support One

Svendborg Brakes, USA

Swagelok Denver

Swan Energy

**SWIFT ENERGY COMPANY**

Swiss Finance Academy

Symlicity Corporation

Synconess

SynergisticIT

Syracuse University

Systems Logic

**T.D. WILLIAMSON**

TalkFusionDallas.com

**TALLGRASS (FORMERLY KINDER MORGAN)**

TDA Research

TE Connectivity

Teach for America

Teach Kentucky

TeamSnap

Techneaux Technology Services

**TECHNIP USA**

**TECK ALASKA**

TEKTREE

**TELETECH**

**TENARIS**

**TENOVA (FORMERLY TAKRAF)**

Terralog Technologies

Terumo BCT

**TETRA TECH**

Texas Westmoreland Coal Company

**TGS**

The Adoption Exchange

The Bean Consulting Group

**THE BONNEVILLE POWER ADMINISTRATION**

The Borgen Project

The Charles Machine Works

The Conti Group

**THE DOE RUN COMPANY**

The Fund for the Public Interest

The Greenbrier Companies - Boulder

The Princeton Review

The Prudential Insurance Company of America

The Regis Company

**THE RMH GROUP**

The Scotts Miracle-Gro Company

**THE SI**

**THE TIMKEN COMPANY**

The TriZetto Group

Thomson Reuters

Thorlabs

Time Warner Cable

Tinker Air Force Base Engineering

**TMK IPSCO**

TNTP Teaching Fellows

Tower Engineering Professionals

Town of Superior

TRAC America's

Trada

**TRANE**

**TRANSFORM SOFTWARE & SERVICES**

Transocean Offshore Deepwater Drilling

TransVac Systems

Travelers

Travelport LP

Trelleborg Sealing Solutions

Trihydro Corporation

**TRI-STATE GENERATION & TRANSMISSION**

Triumvir

TST, Incorporated of Denver

**TURNER CONSTRUCTION COMPANY**

Tw telecom

**TWIN METALS MINNESOTA**

**TYLER TECHNOLOGIES**

U.S. ARMY

**U.S. ARMY ENGINEER R&D**

U.S. DOI - Office of Natural Resources Revenue

**U.S. DEPT. OF INTERIOR - INDIAN AFFAIRS**

**U.S. DEPT. OF LABOR/MINE SAFETY & HEALTH**

**U.S. GEOLOGICAL SURVEY (USGS)**

UH Cullen College of Engineering

**ULTEIG**

UNAVCO

UniFocus

**UNITED LAUNCH ALLIANCE**

**UNITED POWER**

United States Department of Agriculture

**UNITED STATES NAVAL ENGINEERING**

**UNITED STATES STEEL CORPORATION**

**UNIVERISTY DIRECTORIES**

**UNI. CORP. FOR ATMOS. RESEARCH (UCAR)**

University of California - Davis

University of Colorado at Boulder

University of Colorado Hospital

**UNIVERSITY OF COLORADO LAW SCHOOL**

University of Wyoming

Unreasonable Institute

UQM Technologies

Urban Drainage and Flood Control District

**URS CORPORATION**

US Bank

US Department of Labor

US Synthetic Corporation

USDA Forest Service

USGBC Colorado

**USGS GEOLOGIC HAZARDS SCIENCE CENTER**

**USS-POSCO INDUSTRIES**

UTC Aerospace Systems

Vail Resorts Management Company

Vaisala

Valleylab

**VALLOUREC & MANNESMANN TUBES (VAM)**

**VENOCO**

Vensoft

Ventyx

**VERDIS**

Verint

**VERIZON WIRELESS**

**VERMEER CORPORATION**

Vesta Technology

**VICTAULIC CORPORATION**

Virginia Polytechnic Institute State University

Visa

Vishay Dale Electronics

Vision Land Consultants

Vitro Biopharma

Voltech Instruments

W.W. Grainger

W.W. Wheeler and Associates

Wadsworth Control Systems

Walkwater Technology

**WALTER ENERGY - JIM WALTER RESOURCES**

**WARD PETROLEUM CORP.**

Waste Connections

Waste to Energy Partners

Waterman Group

WaveLynx Technologies

WBI Energy Transmission

**WEATHERFORD INTERNATIONAL**

**WEBER METALS**

**WEBFILINGS**

**WEIR OIL AND GAS**

WellEz Information Management

Wells Fargo Equity Research

**WESTERN ELECTRICITY COORDINATING COUNCIL**

Western Electronics

Western Forge

Western Industrial Contractors

Western Interstate Energy Board

Western Union

WesTest

**WESTMORELAND COAL COMPANY**

**WEXPRO-QUESTAR**

Wheeler Machinery Company

Whitestone TEC

**WHITING PETROLEUM**

**WIBIDATA**

Wildblue Communications

**WILLBROS ENGINEERING**

**WILLIAMS COMPANIES**

Windward

**WIPRO TECHNOLOGIES**

**WISS, JANNEY, ELSTNER ASSOCIATES**

**WOLF ROBOTICS**

Woodridge Software

**WOODWARD**

Workforce Insight

World Wildlife Fund

WorldTeach

**WPX ENERGY**

WSI WebWise Marketing Solutions

Wyoming Department of Education

**WYOMING MACHINERY COMPANY**

**XCEL ENERGY**

XEGY/Granite Technologies

Xenon Arc

Xenon

**XILINX**

**XTO ENERGY**

**YAMPA VALLEY ELECTRIC COOPERATIVE**

**ZACHRY ENGINEERING CORPORATION**

ZAP Engineering

Zavanna

**ZAYO GROUP**

Zen Planner

Zimmerman Metals

Zizia Solutions

**ZULILY**



This chapter of the Colorado School of Mines Career Center Annual Report includes outcome details for the College of Applied Science and Engineering (CASE), and contains information for the following academic departments:

Chemical and Biological Engineering

Chemistry and Geochemistry

Metallurgical and Materials Engineering

Physics



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# Chemical Engineering Department Report

2012-2013 Career Center Annual Report

The Chemical Engineering Department Report for 2012-2013 includes the following information:

- Summary Data for Chemical & Biochemical Engineering (CB) and Chemical Engineering (CR)
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Chemical Engineering and Chemical & Biochemical Engineering Summary Data

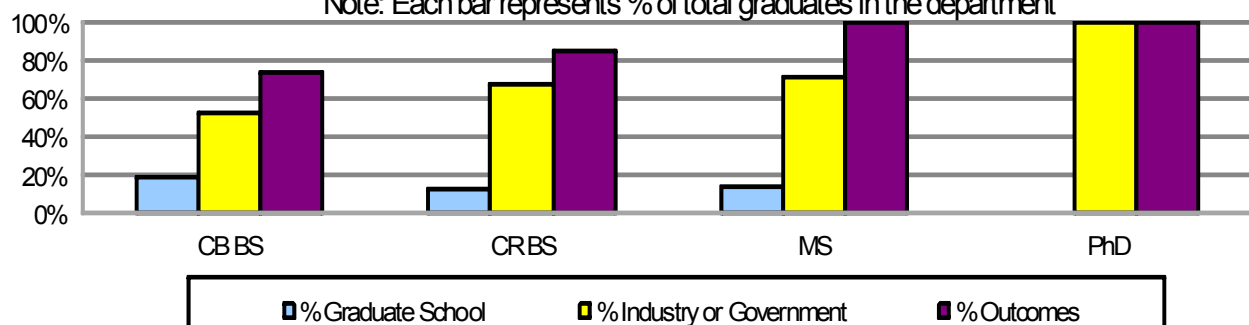
	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS - CB	49	26	0	0	9	0	1	73%	13	\$70,855
BS - CR	75	51	0	1	10	1	1	85%	11	\$68,652
MS - CR	7	5	0	0	1	1	0	100%	0	\$73,600
PhD - CR	3	1	2	0	0	0	0	100%	0	\$91,300

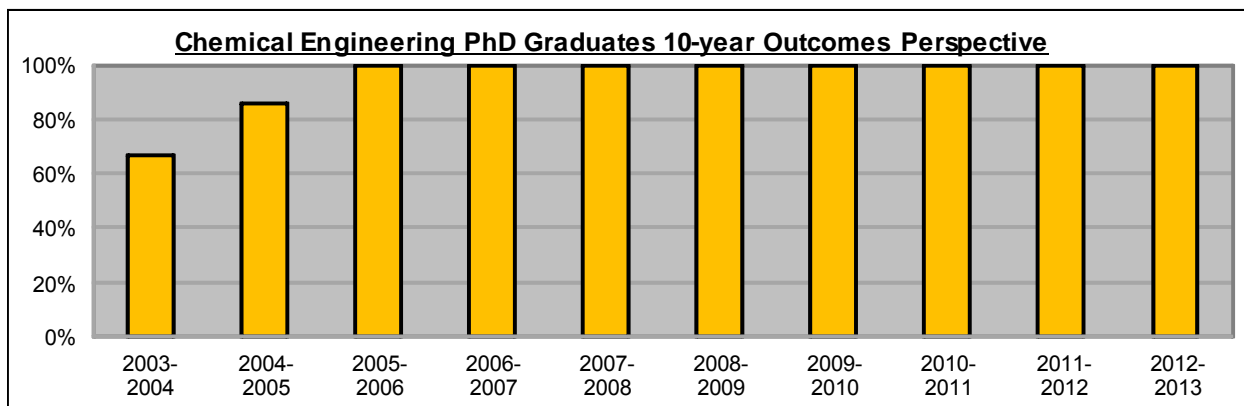
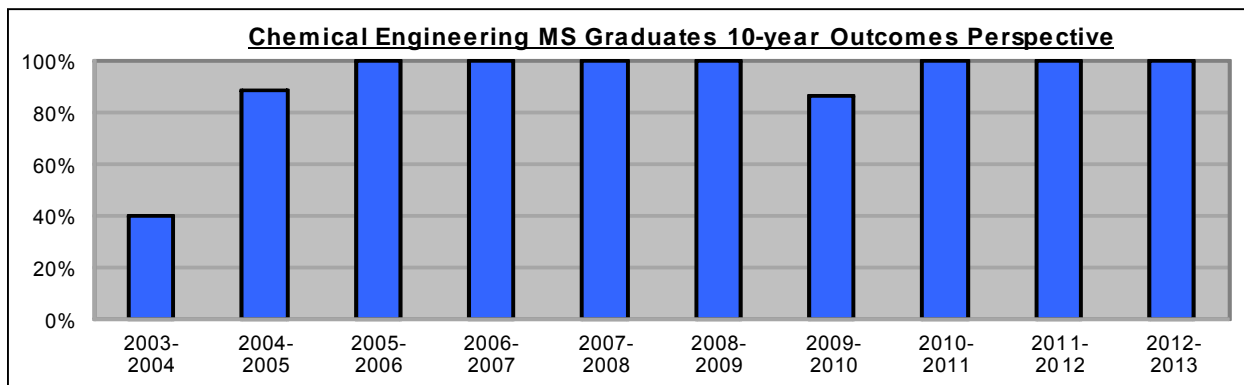
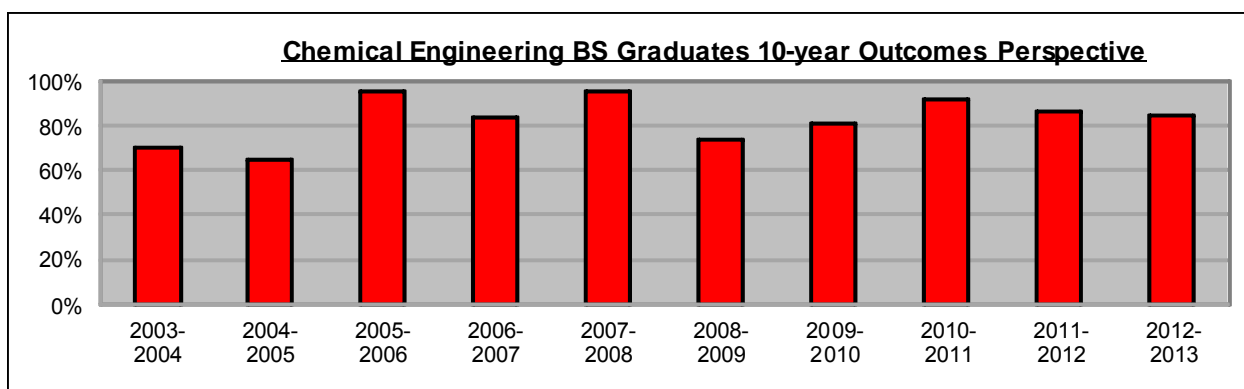
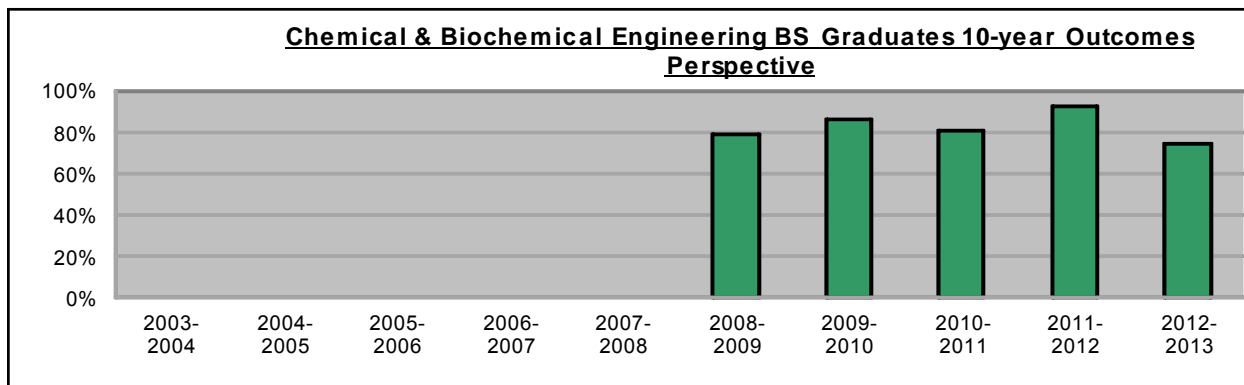
## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary									Graduate School	
	Aero-space	Biomed/Pharm	Consulting (Eng)	Oil/Gas	IT/Elec/Telecom	Mfg.	Mining	Academia/Research	Other	CSM	Other
BS— CB	2	3	6	10	1	3	1	0	0	4	5
BS - CR	1	1	9	31	4	2	2	1	0	4	6
MS - CR	0	0	0	5	0	0	0	0	0	1	0
PhD - CR	0	0	0	0	1	0	0	2	0	0	0

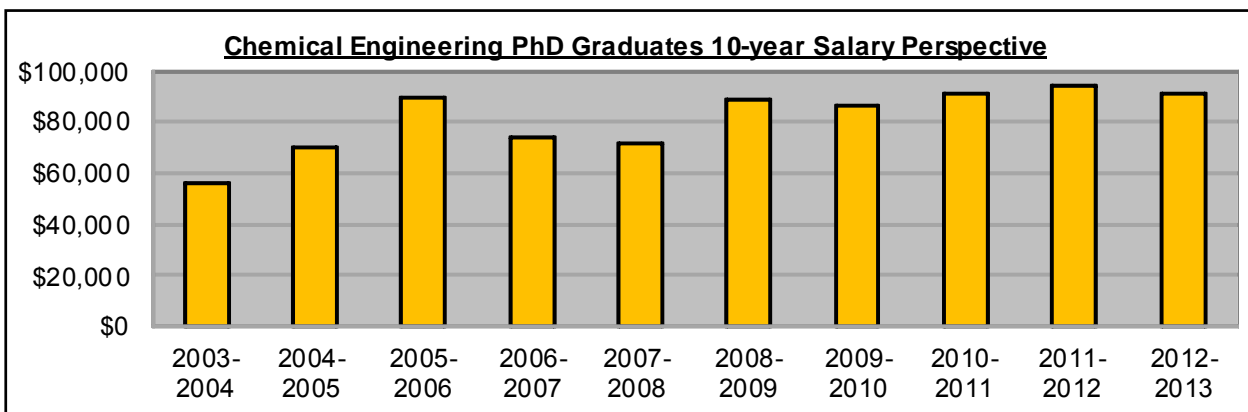
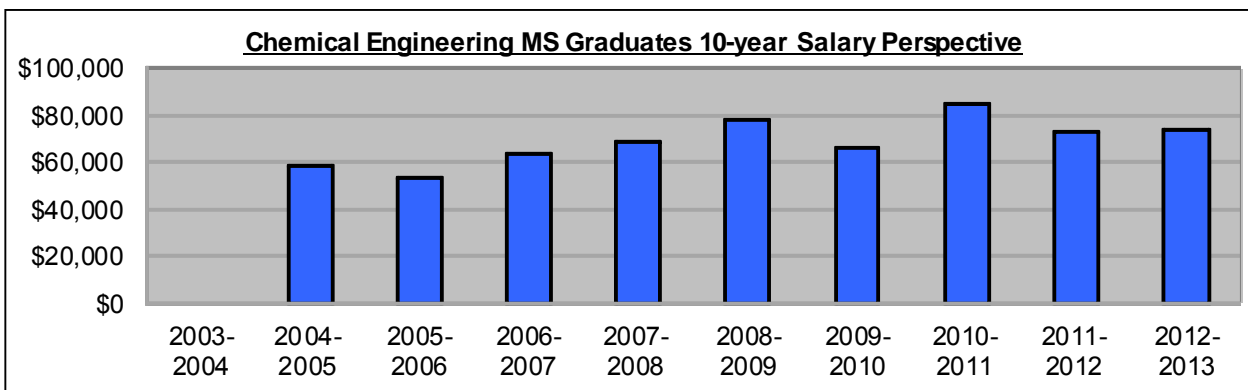
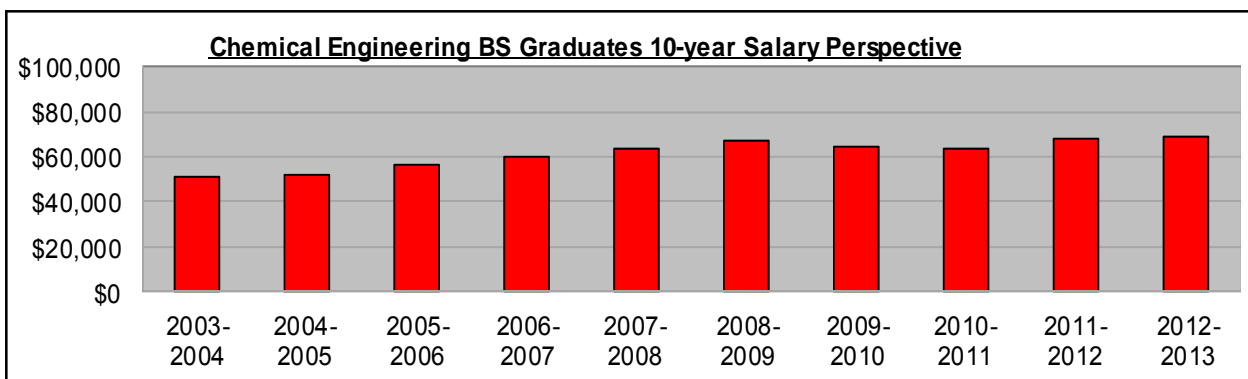
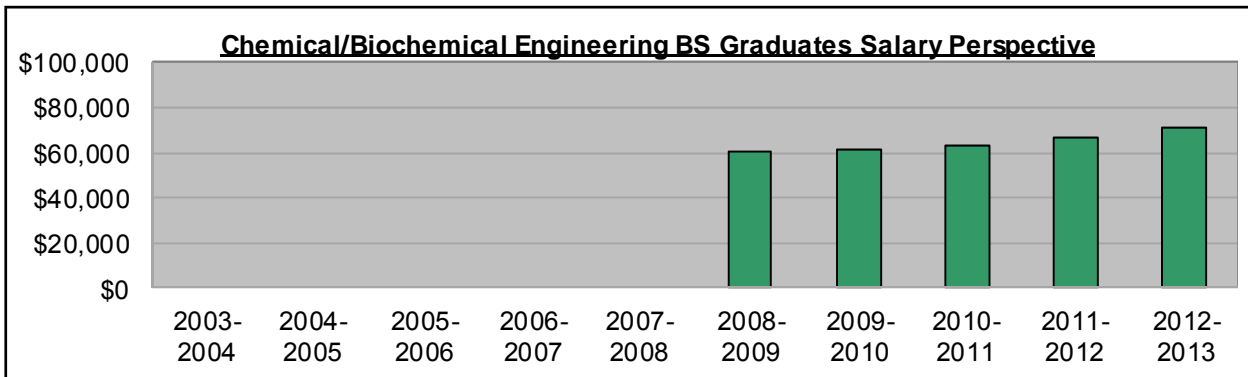
## Post-Graduation Career Activity

Note: Each bar represents % of total graduates in the department



**Chemical Engineering Department Outcomes Perspective**

## Chemical Engineering Department Salary Perspective



### Internships for Chemical Engineering Department Students

The following organizations were reported to be sites of internships for 2012-2013 graduates while attending CSM.

Abengoa	CoorsTek	Pason Systems
Air Force Research Lab	Crescent Point Energy	Pioneer Natural Resources
Air Resource Specialists	Denver Water	Pyrolysis Oil
AMSI - Research	Encana Oil and Gas	REMRSEC
ARCADIS	Energy Northwest	Rheology Laboratory
Archer Daniels Midland	FracTech International	Rio Tinto Minerals
Array Biopharma	Freeport McMoRan Copper & Gold	Sandoz
Ashland Inc	Grand River Medical Center	Schlumberger
ATK	Halliburton	Severstal
Austin Exploration	Hands on Labs	Stresscon
Awesun Renewable Energy	Hunter Douglas	Suncor Energy
AXPRO - Mines Research Group	Imerys	Sundyne
Barrecca Blacktop Sealcoating	Integrated Surgical Sciences	Tallgrass Energy Partners
BHP Billiton	Jubail Chevron Phillips	The Williams Companies
Biofuels Power Corp	Lange Containment Systems	Tolmar
BP	Lexmark	Total Petrochemicals
Buckhorn Geotech	Marathon Oil & Gas	Castle Rock Public Works Dept
Cannonball Creek Brewing	Meinhard	U.S. Geological Survey (USGS)
Carnegie Mellon University	Merck & Co	UC Berkeley
Center for Hydrate Research	MHA Petroleum Consultants	Uhde (Thailand)
Cerapedics	NASA Glenn Research Center	Unicircuit
Certol International	Neumann Systems Group	Unimin Corporation
Chemical Engineering Dept - Mines	NIST	University of Pittsburgh
Cimation	Northwestern Mutual	USS Posco
Civil Technology	NREL	Vitro Biopharma
Colorado Fuel Cell Center	OHSU	Washington River Protection
Colorado Springs Utilities	OPX Biotechnologies	Wolden Research Group
ConocoPhillips	Pasadena Refining Systems	

Other internship opportunities in DiggerNet during the 2012-2013 academic year for this department's majors included:

Aera Energy	Caterpillar	Hess
Agilent Technologies	CH2M HILL	Honda of America Mfg.
Air Sciences	Chesapeake Energy	IBM Systems and Technology
Amer Coalition Clean Coal Elec	Chevron Corporation	Innotech Energy
Anadarko Petroleum	ConverDyn	ITN Energy Systems
Audubon Engineering	Covidien	Johns Manville
Baker Hughes	Dakota Gasification	Lockheed Martin
Bard Therapeutic Temp Mgmt.	Devon Energy	Marquis Alliance Energy Group
Berry Petroleum	Dieterich Standard	Medtronic SNT
Boeing	Dow Chemical Company	Sandia National Laboratories
Burns & McDonnell	EN Engineering	Sinclair Oil
Calpine Corporation	ENRC Mining - Africa	Solvay Chemicals
CalPortland	EQT	URS
Carestream	ExxonMobil	WPX



# Chemistry & Geochemistry Department Report

2012—2013 Career Center Annual Report

The Chemistry & Geochemistry Department Report for 2012-2013 includes the following information:

- Summary Data for Chemistry (CH) and Geochemistry (GC)
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Chemistry & Geochemistry Summary Data

	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS - CH	29	7	2	1	10	0	0	69%	9	\$57,927
MS - CH	4	1	2	0	0	0	0	75%	1	N/A
MS—GC	0	0	0	0	0	0	0	N/A	0	N/A
PhD - CH	6	2	3	0	0	1	0	100%	0	N/A
PhD - GC	1	1	0	0	0	0	0	N/A	0	N/A

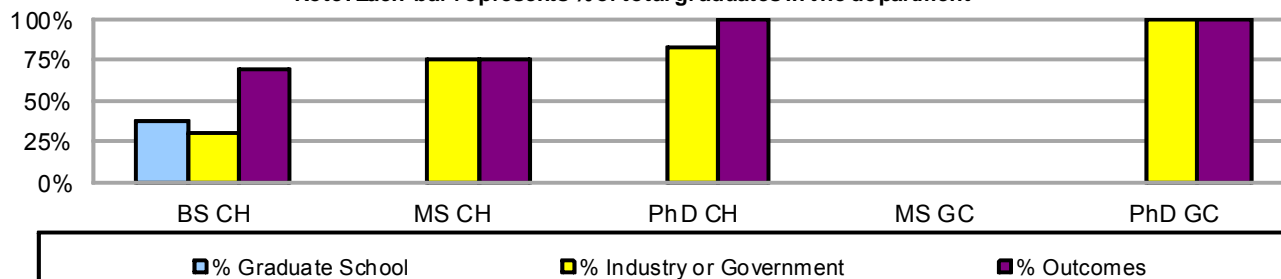
\* N/A implies that limited offers were reported; a reasonable average that maintains confidentiality for graduates is not available.

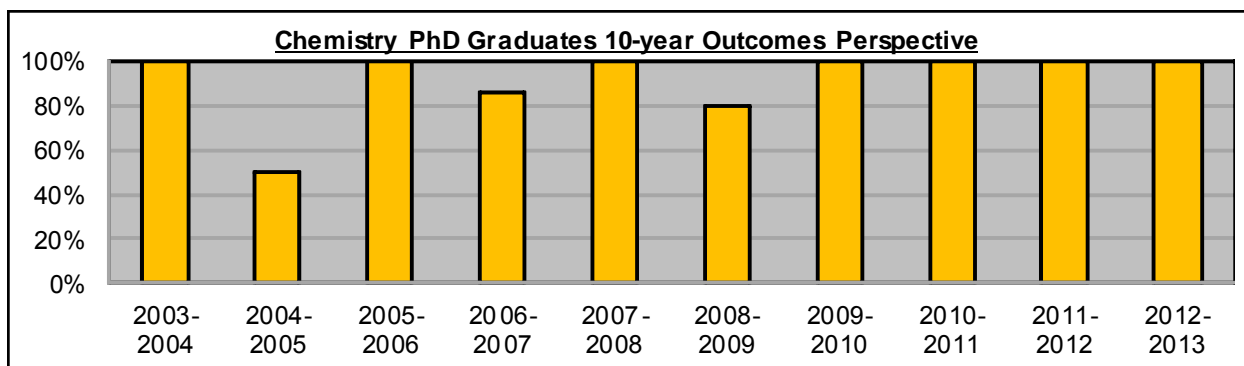
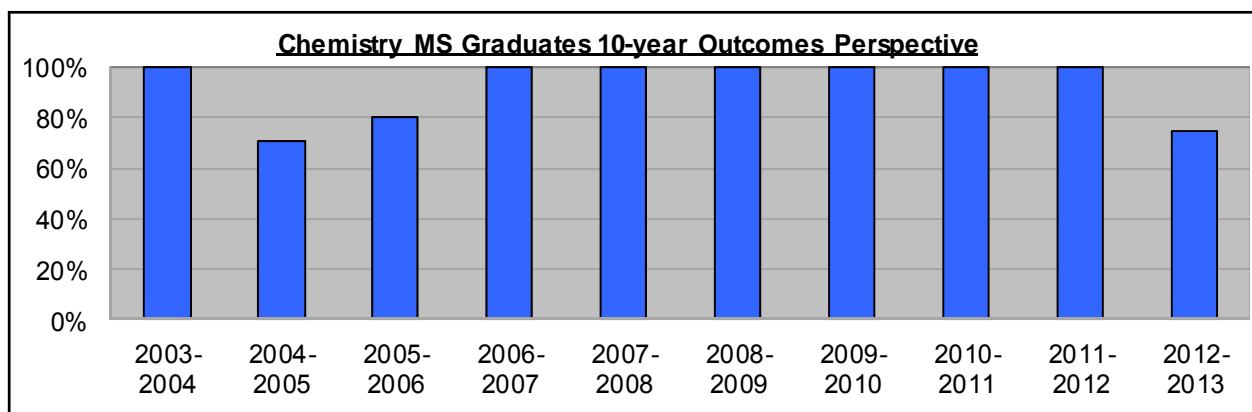
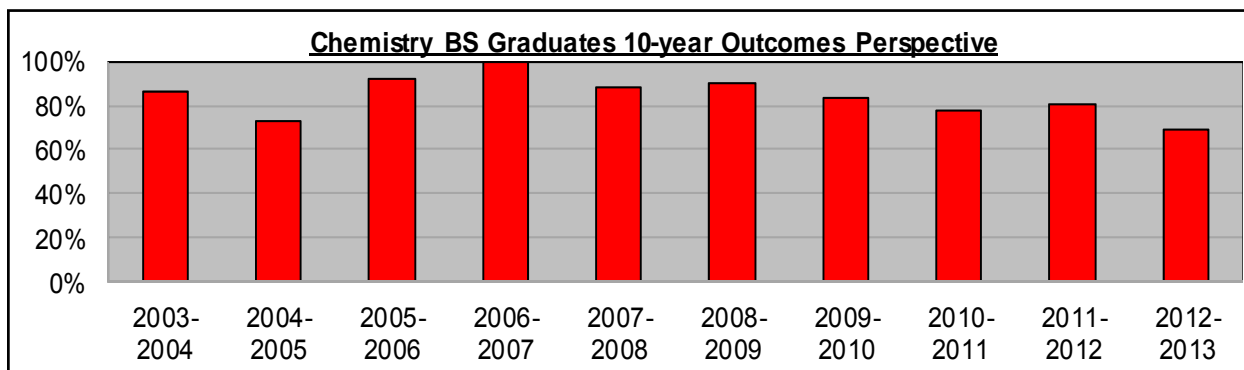
## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary								Graduate School	
	IT / Electronics	Bio-medical	Oil / Gas	Renewable Energy	Consulting	Gov't	Academia/ Research	Other	CSM	Other
BS - CH	2	2	1	1	2	0	1	0	4	7
MS - CH	0	0	0	0	0	1	2	0	0	0
MS - GC	0	0	0	0	0	0	0	0	0	0
PhD - CH	0	0	0	0	2	0	3	0	0	0
PhD - GC	0	0	0	0	0	0	0	1	0	0

## Post-Graduation Career Activity

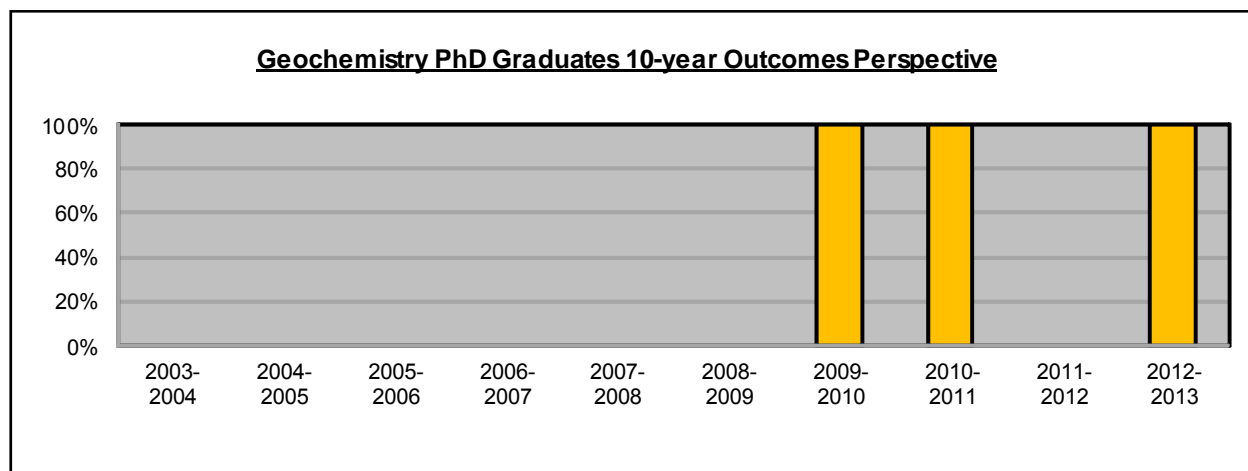
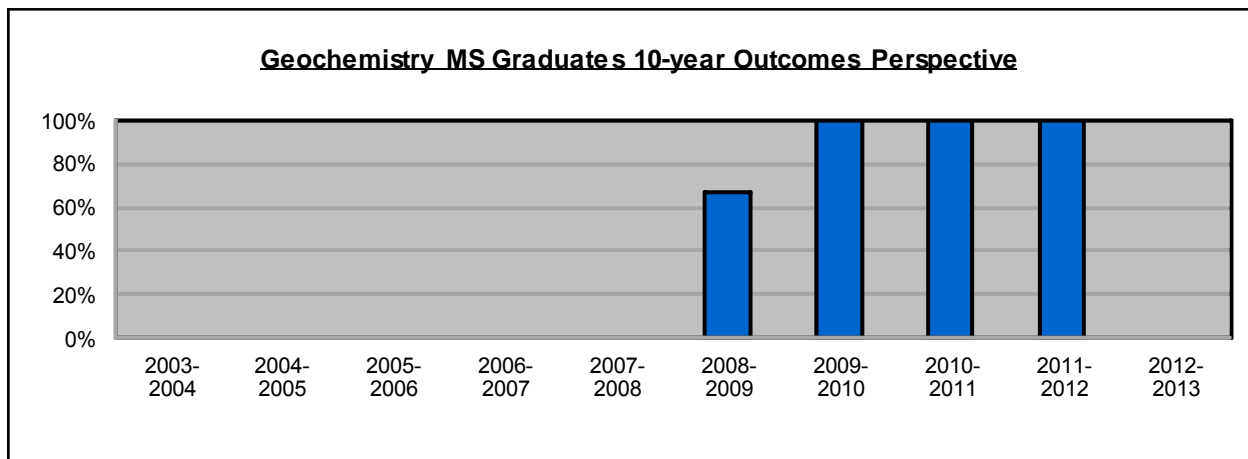
Note: Each bar represents % of total graduates in the department



**Chemistry & Geochemistry Department Outcomes Perspective**

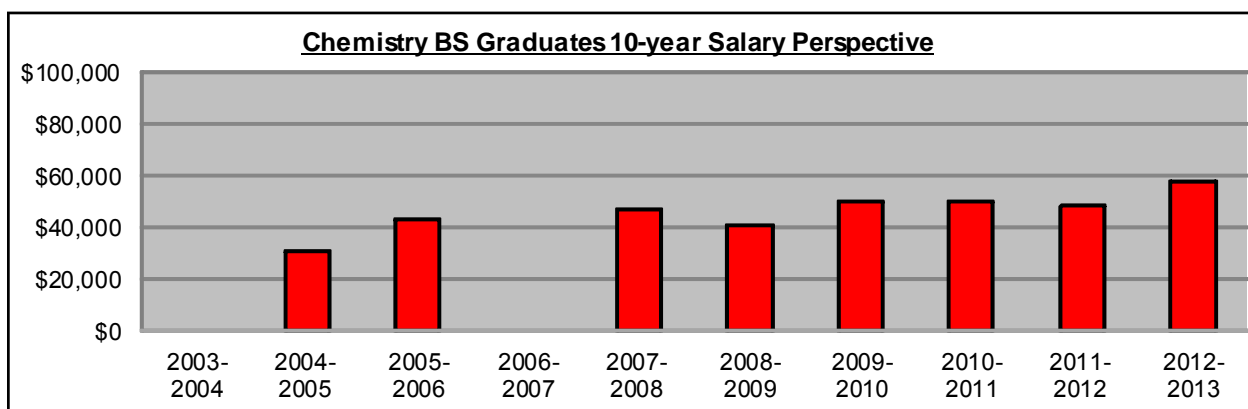


### Geochemistry Outcomes Perspective



### Chemistry & Geochemistry Department Salary Perspective \*

\* There is not enough historical salary data to be reliable for MS or PhD candidates, therefore graphs are not provided.



## Internships for Chemistry & Geochemistry Department Students

The 2012-2013 graduates in this department reported relevant experience with the following organizations while at CSM.

Array Biopharma	NREL
Colorado School of Mines Chemical Engineering	Rocky Mountain Reagents
E & J Gallo	Tenstech
Imerys	U.S. Army Corps of Engineers
JBlanco Enterprises	USGS
Mines Undergraduate Research - various	Vitro Biopharma

Other internship opportunities for this department appeared in DiggerNet during the 2012—2013 academic year, including:

Agilent Technologies	Leppert Associates
Agua Caliente	Lexmark International
Arcadis	McGraw-Hill Financial
Baker Hughes	Medtronic
Bard Therapeutic Temperature Management	Mithril Capital Management
Boeing Company	National Inst. of Standards and Technology (NIST)
Colorado Springs Utilities	Next Generation Solutions
Denver Museum of Nature and Science	Oak Ridge Institute for Science and Education
Halliburton	P&G
IBM Systems and Technology Group	Photo Stencil
Innotech Energy	Reglera
Instit. Computational Engineering and Sciences	Sandoz
ITN Energy Systems	Yampa Valley Electric Cooperative

# Metallurgical & Materials Engineering Department Report

2012 - 2013 Career Center Annual Report

The Metallurgical & Materials Engineering Department Report for 2012-2013 includes the following:

- Summary Data for Metallurgical and Materials Engineering (MT) and Materials Science (ML)
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Salary

## Metallurgical Engineering & Materials Science Summary Data

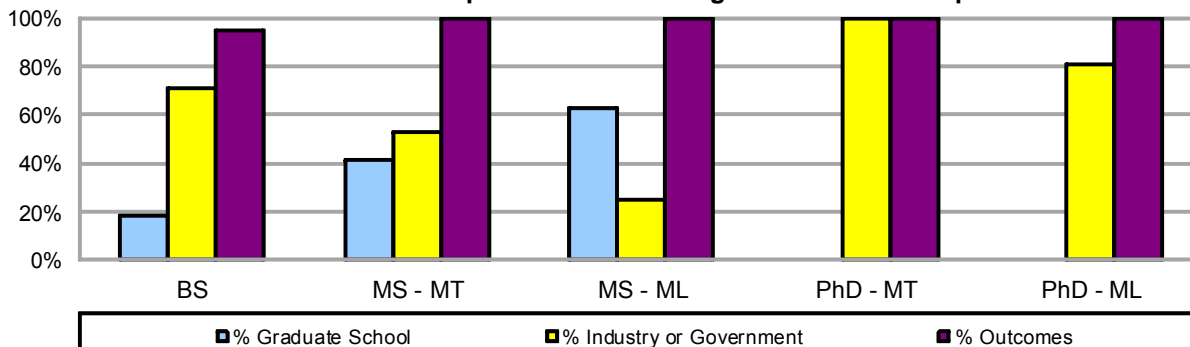
	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS	38	27	0	0	7	1	1	95%	2	\$64,846
MS – Met Eng (MT)	17	8	1	0	7	1	0	100%	0	\$67,583
MS – Mat Sci (ML)	8	1	1	0	5	1	0	100%	0	N/A
PhD – Met Eng (MT)	4	3	1	0	0	0	0	100%	0	\$93,750
PhD - Mat Sci (ML)	16	5	8	0	0	3	0	100%	0	\$65,833

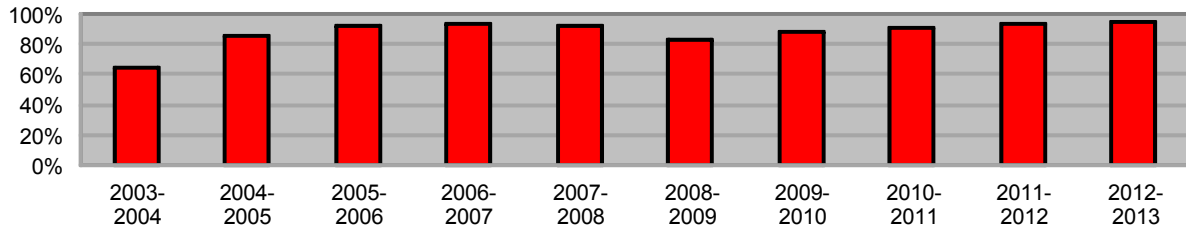
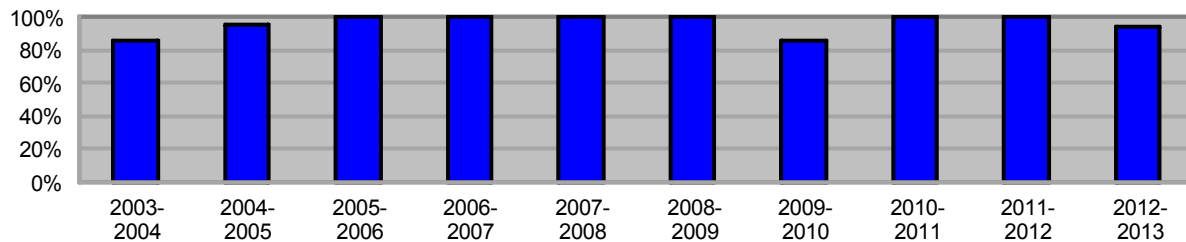
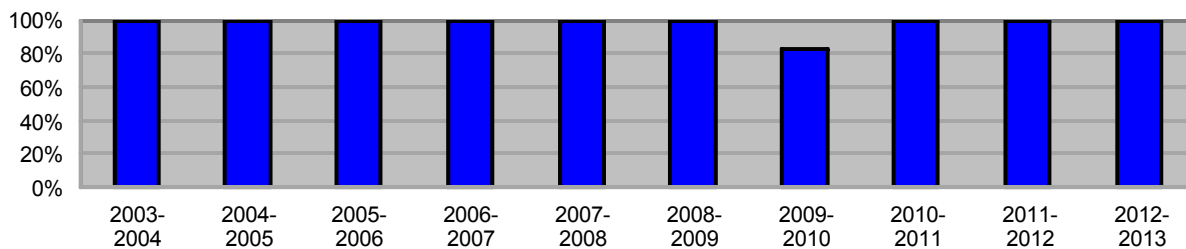
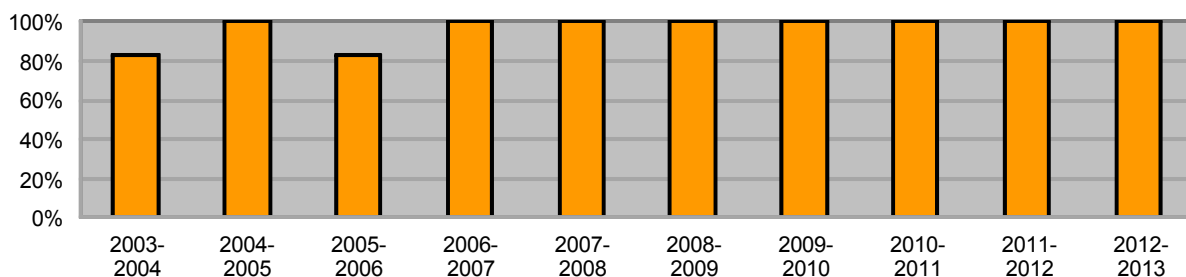
## Outcomes Detail

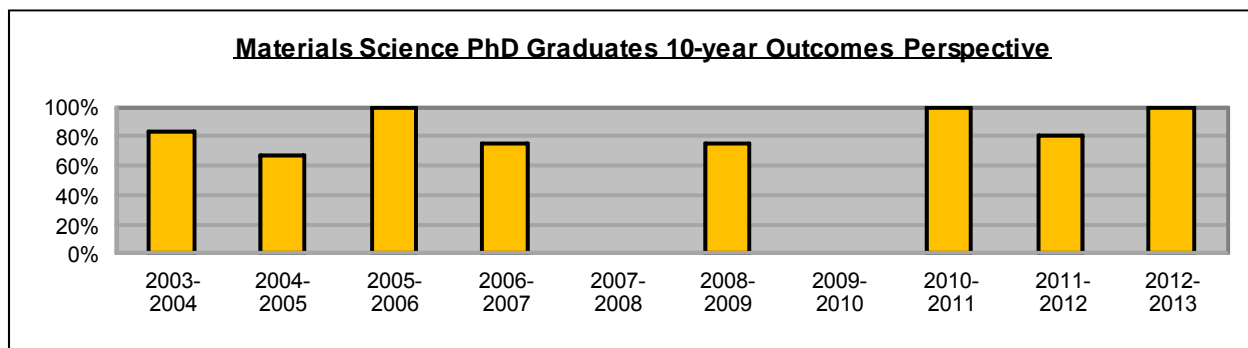
Detailed Breakdown	Positions Accepted—Industry/Government Summary										Graduate School	
	Aero-space	Consult-ing	Renew Energy inc. NREL	Mfg.	Mining	Oil/Gas	Govt.	Ind. Res	Other	Acad / Res	CSM	Other
BS	1	2	1	13	7	2	0	0	1	0	6	1
MS – MT	0	1	0	3	3	0	0	0	1	1	6	1
MS – ML	1	0	0	0	0	0	1	0	0	0	4	1
PhD – MT	0	0	0	0	0	1	1	2	0	0	0	0
PhD – ML	1	1	3	0	0	0	3	1	1	3	0	0

## Post-Graduation Career Activity

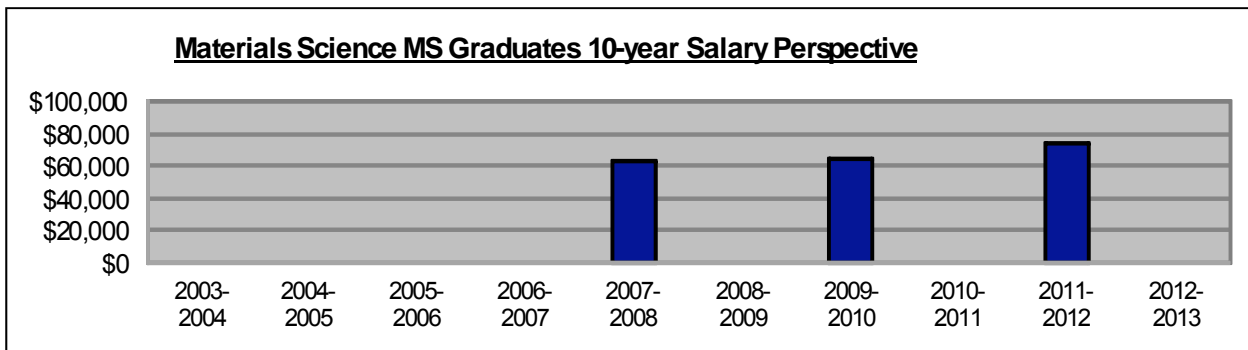
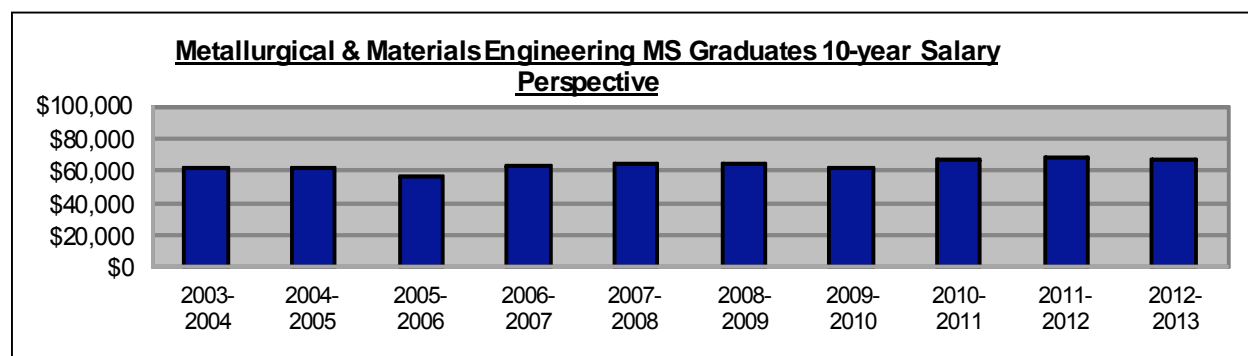
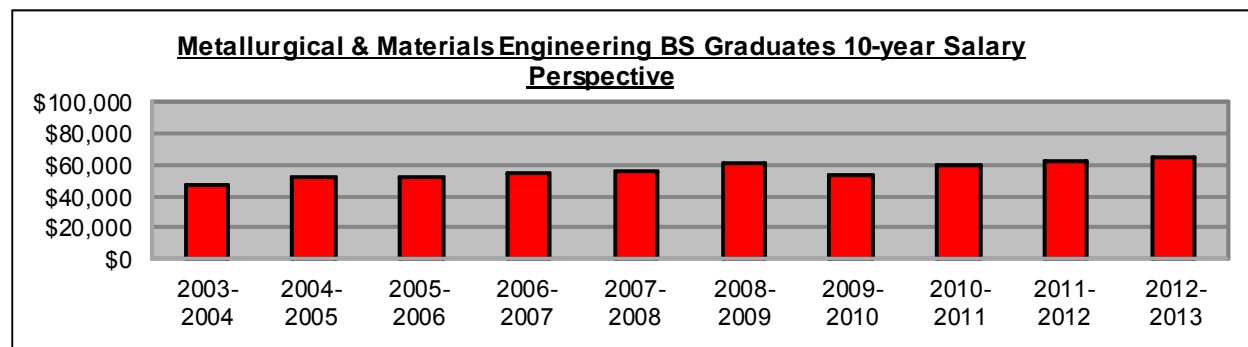
Note: Each bar represents % of total graduates in the department



**Metallurgical & Materials Engineering Department Outcomes Perspective****Metallurgical & Materials Science BS Graduates 10-year Outcomes****Metallurgical & Materials Engineering MS Graduates 10-year Outcomes****Materials Science MS Graduates 10-year Outcomes Perspective****Metallurgical & Materials Engineering PhD Graduates 10-year Outcomes**

**Metallurgical & Materials Engineering Department Outcomes Perspective (cont'd)**

**Metallurgical & Materials Engineering Department Salary Perspective \***

\* There is not enough historical salary data to be reliable for PhD candidates; no graphs provided.



### Internships for Metallurgical & Materials Engineering Students

The 2012- 2013 Metallurgical and Materials Engineering Department graduates reported completing internships at the following organizations during their attendance at Colorado School of Mines.

Advanced Forging Technology	Freeport McMoRan Copper and Gold	NTNU
Alexco Resource	GE Aviation	Nucor Steel
ArcelorMittal	GE/Prime Star Solar	Pogo Gold Mine
ASARCO	Hazen	Pride International
ASPPRC	Honeywell Aerospace	Quest Integrity Group
Ball Aerospace	Huntington Alloys	REMRSEC
Band-It-IDEX	Indian Institute of Science	Rio Tinto
Caterpillar	J.R. Simplot Company	Shell
CCAC - Mines	Lone Star Heat Treat	SSAB
City of Durango	Los Alamos National Security (LANL)	Tenaris
Colorado Center for Adv. Ceramics	Micro Motion	TMK-IPSCO
CSM Research Centers	Micron	Trane
Cube	Newmont Mining	Unicircuit
DOW Chemical	NIST	USS-POSCO
Eclipse NanoMed	NOAA	Weatherford International
Evraz	NREL	Weber Metals

Other internship opportunities for this department appeared in DiggerNet during the 2012-2013 academic year, including:

AK Steel	Innotech Energy Inc.	Scot Forge Company
Boeing Company	ITN Energy Systems	Severstal North America
California Steel Industries	LGS Innovations	Sinton Instruments
CH2M HILL	Lockheed Martin	Solvay Chemicals
ConocoPhillips	Logan Aluminum	Steelhead Composites
Consilium Partners	Martin Marietta Materials	Structural Integrity Associates
DuPont Engineering	Medtronic SNT	Timken
ENRC Africa	Merco	University of Wyoming
ExxonMobil	Niagara Bottling	UTC Aerospace Systems
Gulfstream Aerospace	ORISE	Victaulic
Halliburton	Photo Stencil	WesTest
IBM Systems and Technology	Precision Castparts	Wolf Robotics
IMERYS	Ricoh	
	Schlumberger	

# Physics Department Report

2012-2013 Career Center Annual Report

The Physics Department Report for 2012-2013 includes the following information:

- Summary Data for Engineering Physics (Undergraduate) and Applied Physics (Graduate)
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Physics Department Summary Data

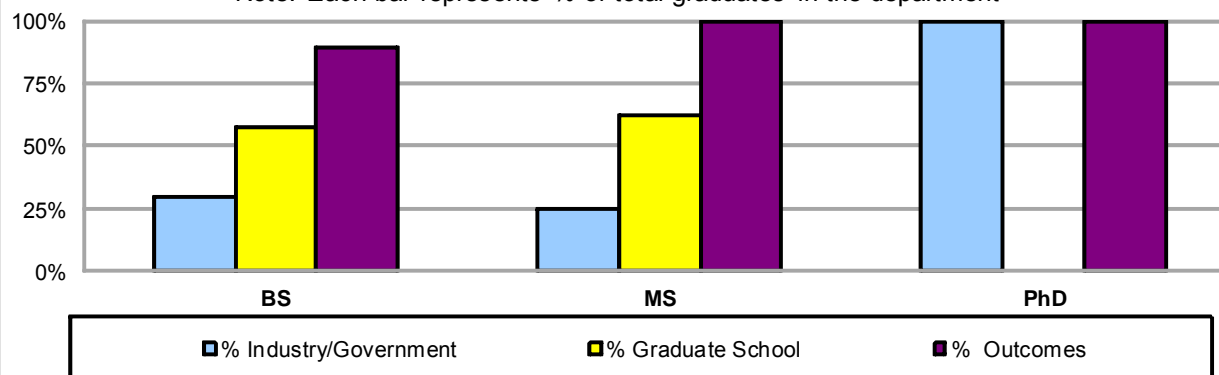
	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS	47	11	3	0	27	0	1	89%	5	\$62,066
MS	8	2	0	1	3	2	0	100%	0	N/A
PhD	7	2	5	0	0	0	0	100%	0	\$56,000

## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary								Graduate School	
	Aerospace	Consulting	Gov't.	Oil/Gas	IT/Electronics	Manuf.	Academia/Research	Education	CSM	Other
BS	2	1	1	1	5	1	2	1	19	7
MS	0	0	0	0	0	1	0	1	2	1
PhD	0	0	0	0	0	1	5	1	0	0

## Post-Graduation Career Activity

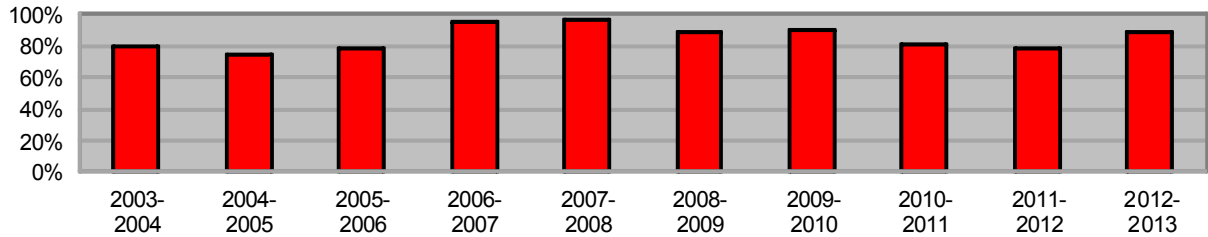
Note: Each bar represents % of total graduates in the department



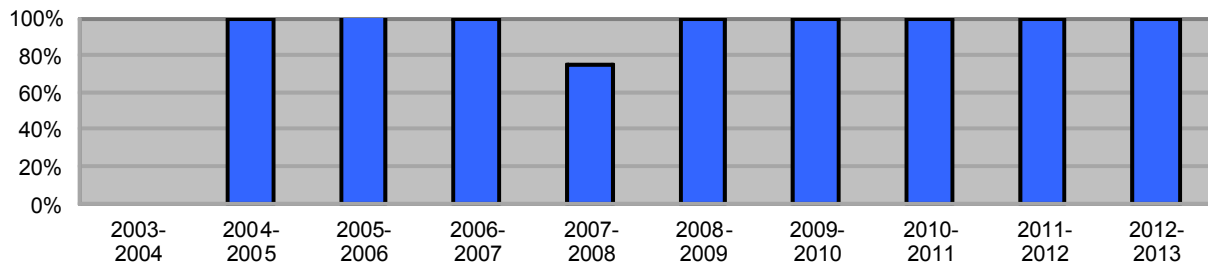
### **Physics Department Outcomes Perspective and BS Salary Perspective\***

\* There is not enough historical salary data for MS or PhD graduates; therefore graphs are not provided.

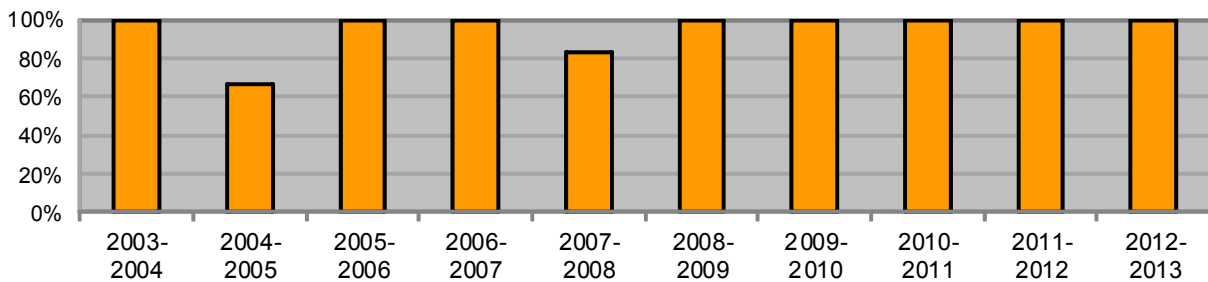
#### **Engineering Physics BS Graduates 10-year Outcomes Perspective**



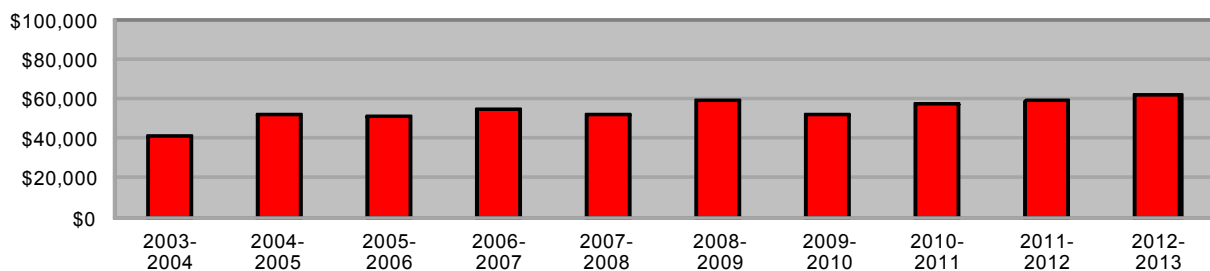
#### **Applied Physics MS Graduates 10-year Outcomes Perspective**



#### **Applied Physics PhD Graduates 10-year Outcomes Perspective**



#### **Engineering Physics BS Graduates 10-year Salary Perspective**





## Internships for Physics Department Students

The 2012-2013 graduates in this department reported completing internships at the following organizations while at Mines.

ATK Aerospace	Mines Metallurgy Lab
Colorado Community College System	National Geospatial Intelligence Agency (NGA)
Colorado School of Mines Research Centers	National Underground Fellowship
Community Power Corporation	NCH Software
Coors tek	NIST
DAAD	NREL
Epilog Laser	Quest Film Kinetics
FNAL	REMSEC REU
IMRA America	RMCI
INFN-LNF	Starlight Consultants
Intelligent Software Solutions	Summit Midstream
ITN Energy Systems	Sundew Technologies
Kansas State University	Texas Instruments
Kreb's Research Group	Transportation Engineering Agency
LifeBound	Venoco
Lockheed Martin	Zolo Technologies

Other internship opportunities in DiggerNet for this department's students during the 2012-2013 academic year included:

Accelrys	Cimation Engineering
Agilent Technologies	City of Thornton
Agua Caliente	Colorado Secretary of State
AirCell	Comcast
Alpha Data	ConMed Electrosurgery
Amazon	ConocoPhillips
AppliedTrust	Consilium Partners
ARCADIS	Covidien
AspenCloud	Cryotorr Scientific
AVAYA	DataVerity
Ball Aerospace & Technologies	Denver Energy Group
Bentek Energy	EchoStar Communications
Bentley Systems	Enserca Engineering
Boeing	Escape Dynamics
Cable Television Laboratories	ExxonMobil
Calpine	Fast Enterprises
CalPortland	Fusion-io
CH2M HILL	Gas Compressor Consultants
Chevron	GlobalLogix

## Internships for Physics Department Students

Additional internship opportunities for this department's students during the 2012-2013 academic year included:

Gulfstream Aerospace	Oldcastle Precast
Halliburton	Ombud
HomeAway.com	ORISE
Honda of America	P&G (Procter & Gamble)
IAMGOLD Corporation	Pacific Northwest National Laboratory
IBM Systems and Technology	Picosecond Pulse Labs
ICES	Pioneer Natural Resources
Idaho National Laboratory	Polaris Industries
IHS	Primal Innovation
Infinite Automation Systems	ProtoTest
Innotech Energy	Rally Software Development
ITT Exelis, SENSOR Program	Raytheon Company
Jefferson County Government	Recondo Technology
JEMSU	Reglera
Jeppesen	Rhombus Power
Karcher North America	Ricoh
Keymark Enterprises	Sakakawea Ventures
Leppert Associates	Sandia National Laboratories
Level 3 Communications	Sandoz
LifeBound	Scitor Corporation
Liventus	SEAKR Engineering
Lockheed Martin	Sierra Nevada
Mainstream Engineering	Sinton Instruments
Markit on Demand	Spectra Logic
Merco	Spiremedia
Microsoft	SRS
Miranda Technologies	Standing Cloud
Mithril Capital Management	The Regis Company
NASA	Time Warner Cable
National Instruments	Tw telecom
Newfield Exploration	U.S. ARMY
Newfield Wireless, Inc.	Wadsworth Control Systems
Next Generation Solutions	Windward
Noble Energy	Woodward
Northrop Grumman	Yampa Valley Electric
Nuclear Energy Institute	Zayo Group
Oak Ridge Institute	Zizia Solutions

This chapter of the Colorado School of Mines Career Center Annual Report includes outcome details for the College of Engineering and Computational Sciences (CECS), and contains information for the following academic departments:

Applied Mathematics and Statistics

Civil and Environmental Engineering

Electrical Engineering and Computer Science

Mechanical Engineering



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# Applied Mathematics & Statistics Department Report

2012 - 2013 Career Center Annual Report

The Applied Mathematics & Statistics Department Report for 2012-2013 includes the following information:

- Summary Data
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Applied Mathematics & Statistics Summary Data

	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS - MA	15	6	0	1	7	0	0	93%	1	\$56,668
MS - MA	10	4	2	0	2	1	0	90%	1	\$64,248
PhD - MA	1	0	1	0	0	0	0	100%	0	N/A

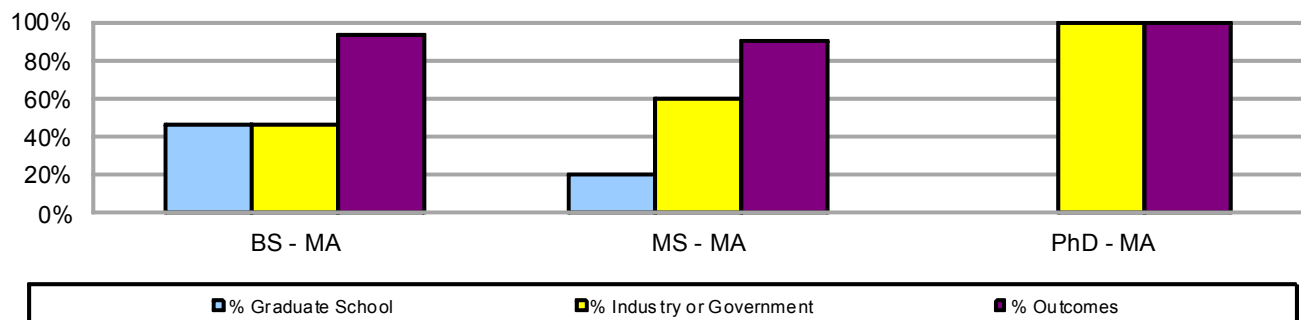
\* N/A implies that limited offers were reported; a reasonable average that maintains confidentiality for graduates is not available.

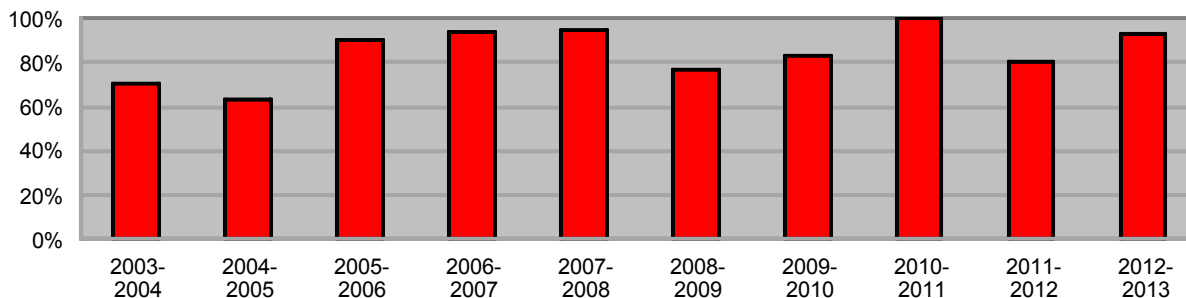
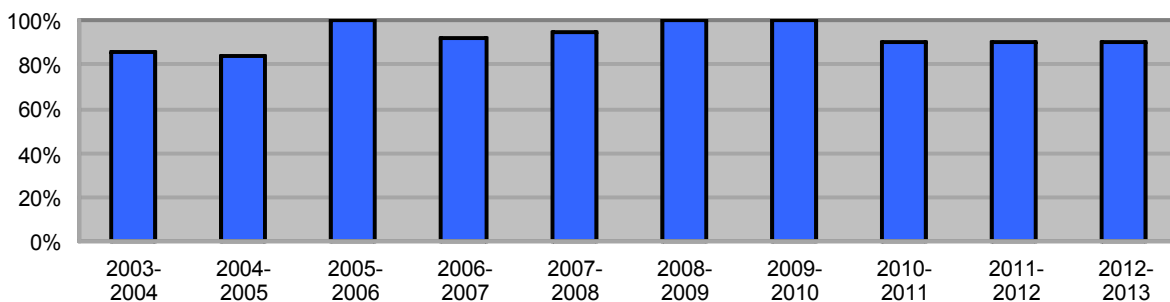
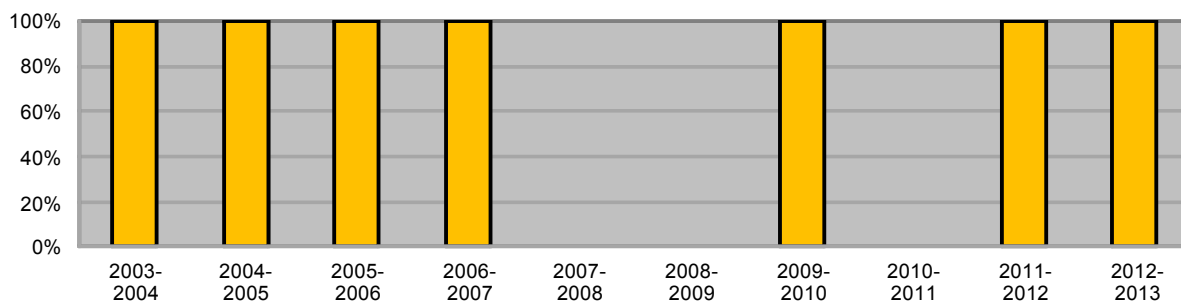
## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary					Graduate School	
	Aerospace	Utilities	IT / Software / Electronics / Telecommunications	Gov't / Military	Academia / Research	CSM	Other
BS - MA	0	0	5	1	0	6	1
MS - MA	3	1	0	0	2	1	1
PhD - MA	0	0	0	0	1	0	0

## Post-Graduation Career Activity

Note: Each bar represents % of total graduates in the department

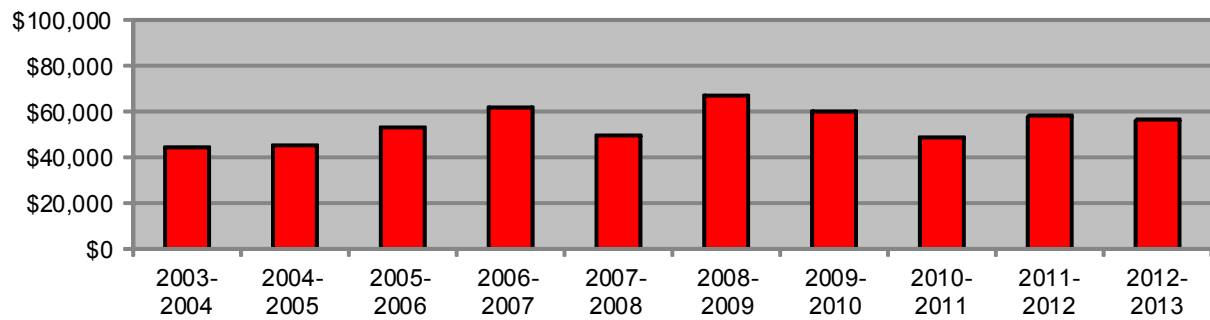


**Applied Mathematics & Statistics Department Outcomes Perspective****Mathematics BS Graduates 10-year Outcomes Perspective****Mathematics MS Graduates 10-year Outcomes Perspective****Mathematics PhD Graduates 10-year Outcomes Perspective**

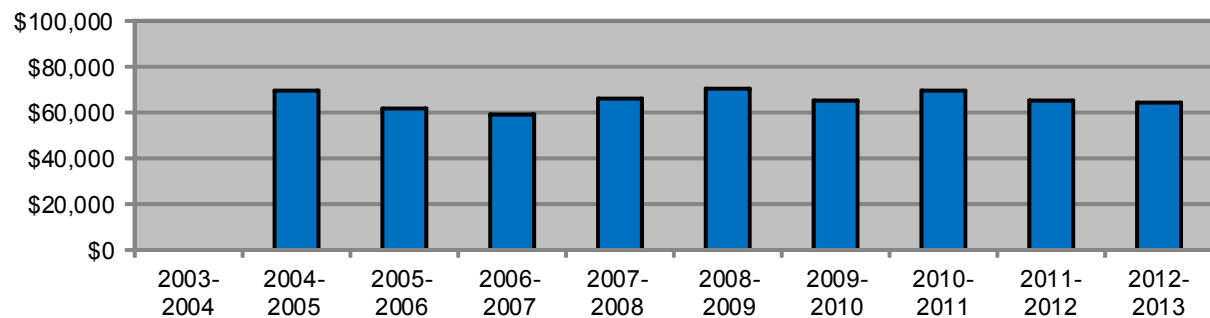
## **Applied Mathematics & Statistics Department Salary Perspective**

There is not enough historical salary data to be reliable for PhD candidates, therefore a graph is not provided.

**Mathematics BS Graduates 10-year Salary Perspective**



**Mathematics MS Graduates 10-year Salary Perspective**



## Internships for Applied Mathematics and Statistics Department Students

The 2012-2013 graduates in this department reported completing internships at the following organizations while at CSM.

ARM	National Instruments
Bit-Systems	Northrop Grumman
Colorado School of Mines	NREL
Colorado State Senate	Recondo Technology
Covidien	Tesco Corporation
LGS Innovations	USDA

Other internship opportunities for this department appeared in DiggerNet during the 2012-2013 academic year, including:

AAA Northern CA,NV,UT	Jefferson County Government
Air Sciences	Keymark Enterprises
AlchemyAPI	Leppert Associates
Ansys, Inc	LifeBound
AspenCloud	Lockheed Martin
Bentek Energy	Markit on Demand
Berry Petroleum Company	MedKeeper
Boeing Company	M-Marketing Group
Chevron Corporation	NIST
CO Cleantech Industry Association	ORISE
ConocoPhillips	OdysseyRe
DataLogix	OpenLogic
Denver Energy Group	P&G
EchoStar Communications	ProtoTest
Emma L. Bowen Foundation	Reglera
Fast Enterprises	Standing Cloud
Halliburton	Startup Colorado
Home Advisor	Travelport LP
IBM Systems and Technology	U.S. ARMY
ICES	Visa
Janus Capital Group	Zayo Group





# Civil and Environmental Engineering Department Report

2012- 2013 Career Center Annual Report

The Civil & Environmental Engineering Report for 2012 - 2013 includes the following information:

- ... Summary Data for Civil Engineering (CE), Environmental Engineering (EV), Hydrology (HY)
- ... Post-Graduation Career Activity
- ... Outcomes Perspective
- ... Salary Perspective / Average Offers

## Civil & Environmental Engineering Summary Data

	# Grads	Industry	Gov't.	Military	Grad Sch	Intern'l	Not Looking	Out comes %	Seeking	* Average Salary Offer
BS - CE	70	51	4	2	9	0	3	99%	1	\$54,683
BS - EV	29	23	0	0	3	0	2	97%	1	\$55,809
MS - CE	20	15	2	0	2	1	0	100%	0	\$59,189
MS - EV	44	31	2	0	8	0	1	95%	2	\$63,916
MS - HY	13	10	1	0	0	1	0	92%	1	\$58,572
PhD - CE	2	1	0	0	0	1	0	100%	0	N/A
PhD - EV	3	0	3	0	0	0	0	100%	0	\$47,333
PhD—HY	5	1	2	0	0	0	1	80%	1	\$61,333

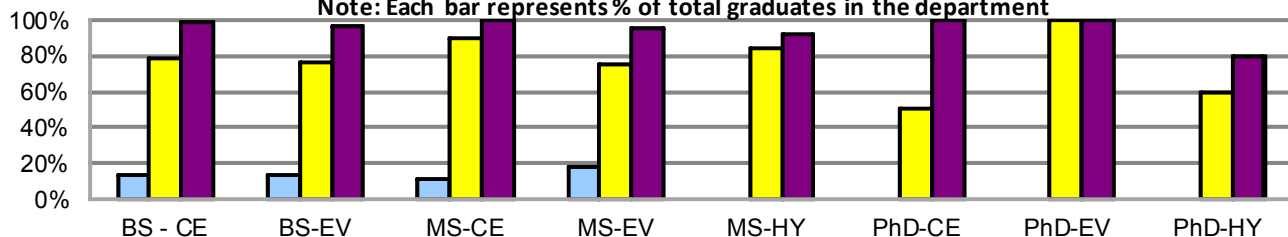
\* N/A implies that limited offers were reported; a reasonable average that maintains confidentiality for graduates is not available.

## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary								Graduate School	
	Consulting/ Construction	Oil / Gas	Mining	Mfg.	Ind. Res.	Gov't Mil	Academia/ Research	Other	Mines	Other
BS - CE	39	8	2	2	0	4	0	0	7	2
BS - EV	11	5	3	1	0	0	0	1	3	0
MS - CE	12	3	0	0	0	1	1	0	2	0
MS - EV	20	2	4	1	1	1	1	3	7	1
MS - HY	6	3	1	0	0	1	0	0	0	0
PhD - CE	1	0	0	0	0	0	0	0	0	0
PhD - EV	0	0	0	0	0	1	2	0	0	0
PhD - HY	1	0	0	0	0	0	2	0	0	0

## Post-Graduation Career Activity

Note: Each bar represents % of total graduates in the department



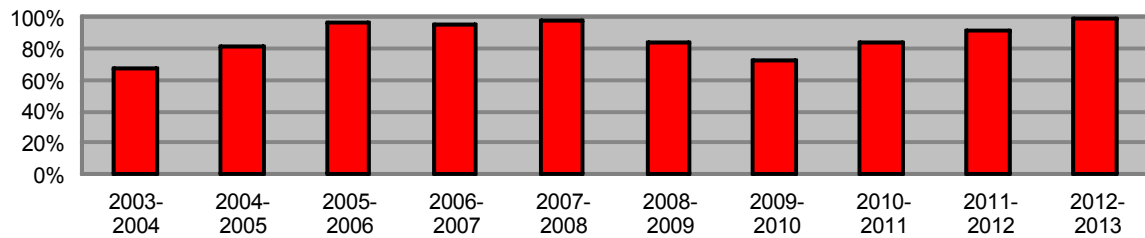
■ % Graduate School

■ % Industry or Government

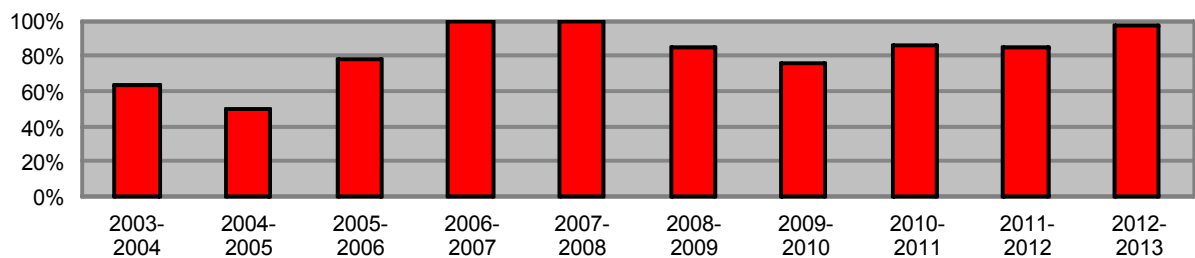
■ % Outcomes

## Civil & Environmental Engineering Department Outcomes Perspective

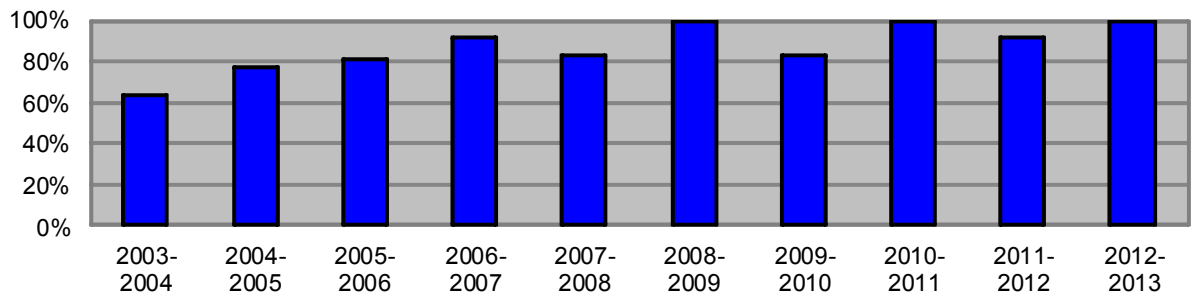
### Civil Engineering BS Graduates 10-year Outcomes Perspective



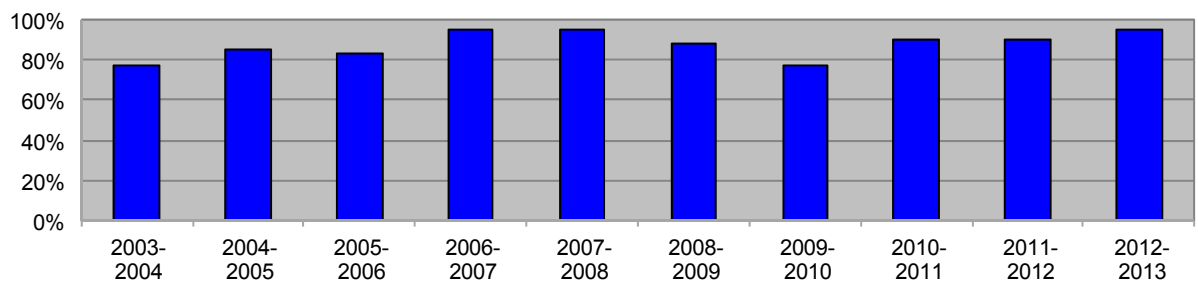
### Environmental Engineering BS Graduates 10-year Outcomes Perspective

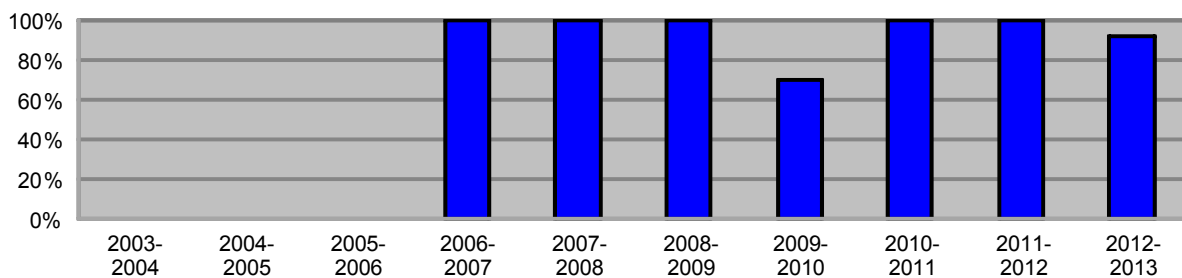
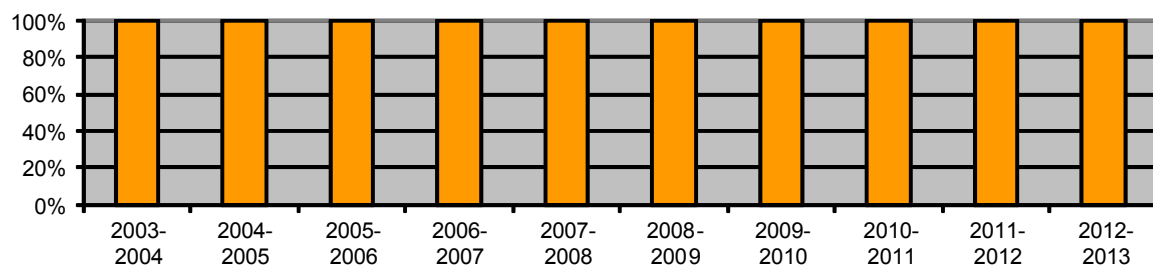
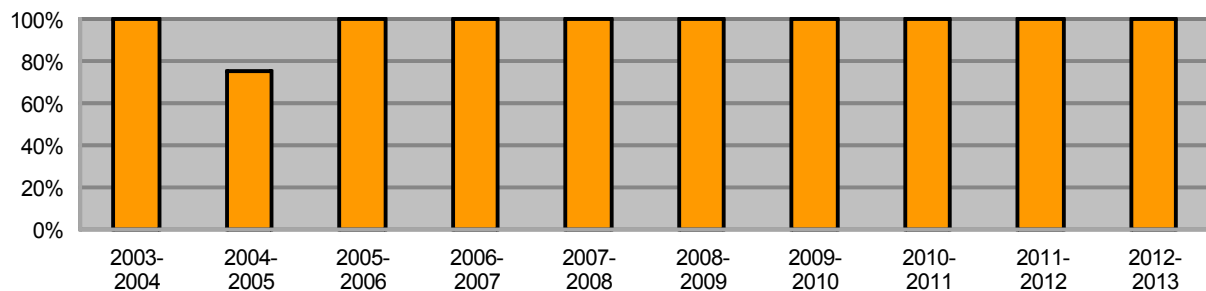
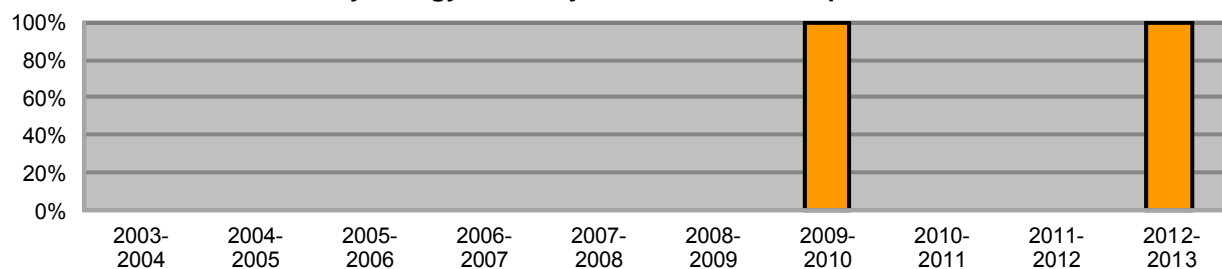


### Civil Engineering MS Graduates 10-year Outcomes Perspective



### Environmental Science & Engineering MS Graduates 10-year Outcomes Perspective

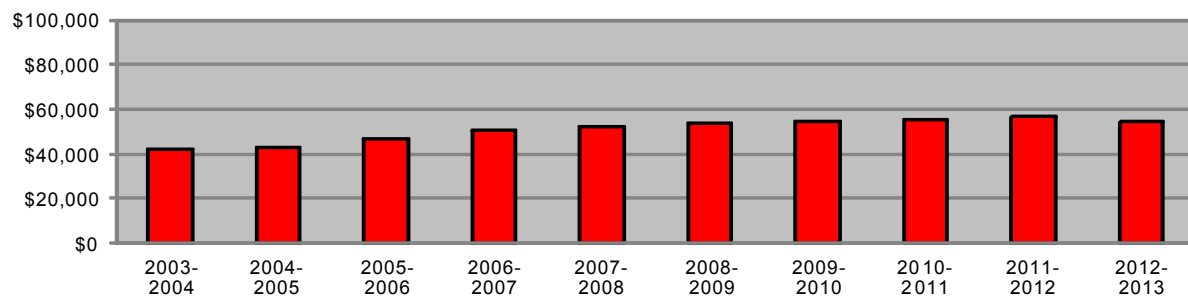


**Hydrology MS Graduates Outcomes Perspective**

**Civil Engineering PhD Graduates 10-year Placement Perspective**

**Environmental Science & Engineering PhD 10-year Outcomes Perspective**

**Hydrology PhD 10-year Outcomes Perspective**


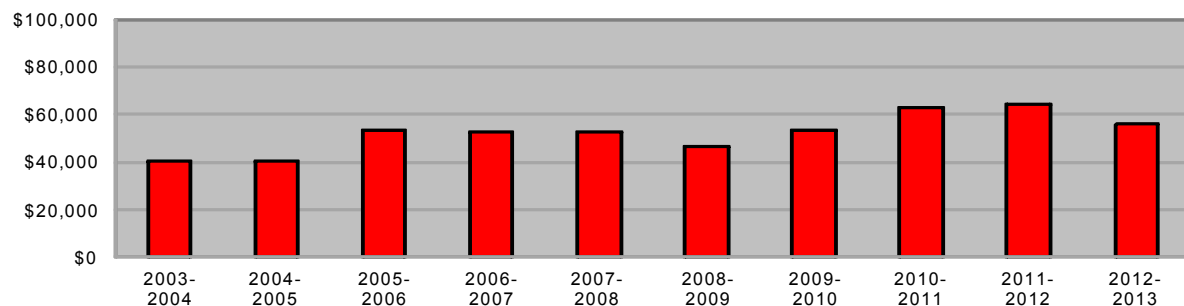
## **Civil & Environmental Engineering Department Salary Perspective**

There is not enough historical salary data to be reliable for PhD salary averages, so graphs are not provided.

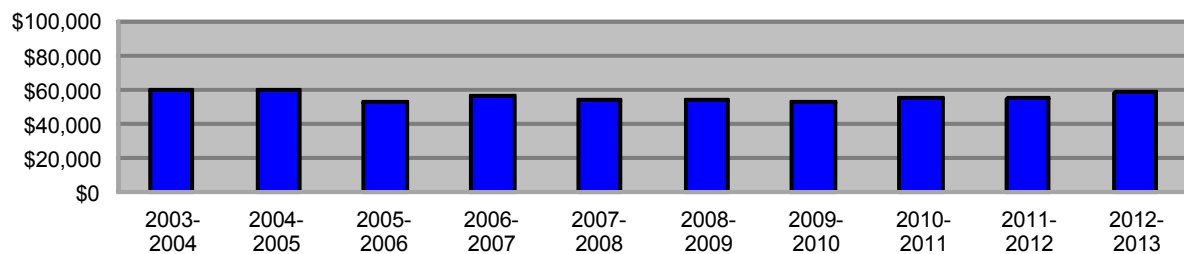
**Civil Engineering BS Graduates 10-year Salary Perspective**



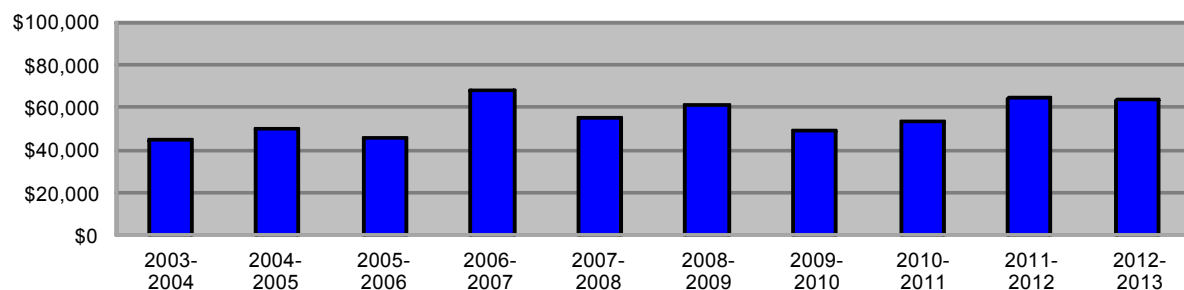
**Environmental Engineering BS Graduates 10-year Salary Perspective**



**Civil Engineering MS Graduates 10-year Salary Perspective**



**Environmental Science & Engineering MS Graduates 10-year Salary Perspective**



### Internships for Civil & Environmental Engineering Students

The 2012-2013 graduates in this department reported completing internships at the following organizations while at CSM

ADA Technologies	Halliburton	Sussman
Alphatrack	KEMWest	URS
Barrick Gold	Kiewit Mining Group	U.S. Bureau of Reclamation
Cliffs Natural Resources	MWH Global	U.S.D.A. Forest Service
CO Department of Public Health	National Jewish Health	U.S. EPA
Eagle Environmental Consulting	Pace Analytical Services	U.S. Office of Surface Mining
Golder Associates	Stan Clauson Associates	Vector Engineering
Hale Paska & Associates	Sterling Design Association	Washington River Protection

Other internship opportunities for this department appeared in DiggerNet during 2012-2013, including:

2H Offshore	CH2M Hill	Federal Highway Administration
Aera Energy	Cimation Engineering	Felsburg, Holt, Ullevig (FHU)
Agua Caliente	City of Aurora	Flintco
Altitude Engineering	City of Commerce City	Fox and Dreschler Surveyors
Am. Coalition -Clean Coal Electricity	City of Thornton	Gas Compressor Consultants
ARCADIS	CO Dept. of Transportation	GeoStabilization International
Ashland	Colorado Springs Utilities	Gulfstream Aerospace
Atkinson Construction	ConocoPhillips	Harris Harvesting
Baker Hughes	Consilium Partners	Hensel Phelps Construction
BAND-IT-IDEX	DCP Midstream	Hess Corporation
Barnard Construction	DH Glabe and Associates	Hoffman
Berry Petroleum	Dieterich Standard	Innotech Energy
BGC Engineering	Douglass Engineering	Itnoc Construction
BHP Billiton Petroleum	E-470 Public Highway Authority	Jansen Strawn Land Development
Bishop-Brogden Associates	EN Engineering	Jefferson County Government
Black & Veatch	Enprotec Hibbs & Todd	Juwi Solar
Black Hills	Evraz Rocky Mountain Steel	KS Department of Transportation
Blue Mountain Energy	ExxonMobil	Kiewit Infrastructure
Burns & McDonnell	Facility Engineering Associates	Kimley Horn and Associates
CalPortland	Exploration Sciences	Knight Piesold
CaptiveAire	FCI Constructors	Laser Construction

Additional internship opportunities for this major appeared in DiggerNet during the 2012-2013 academic year, including:

Lehigh Hanson	PV Americas	The Conti Group
Leppert Associates	Petroleum Field Services	The Williams Companies
LGS Innovations	Phillips 66	Timberline Landscaping
LM SSC	Pioneer Natural Resources	Tower Engineering Professionals
Magnetation	QEP Resources	Town of Superior
Marquis Alliance Energy Group	Regional Transportation District	Tri-State Generation / Transmission
Martin Marietta Materials	Renewable Energy Systems	UNAVCO
McLaughlin Water Engineers	Russel Surveyors	Urban Drainage and Flood Control
MedKeeper	SAK Construction	URS Corporation
Merco	Schlumberger Technology	U.S. Dept. of Agriculture
Meritage Midstream	SGM Inc.	USGS
Merrick	Smith Home Builders	Vaisala
MillerCoors	Spur Engineering	Waste Connections
Nebraska Public Power District	SSF M Int.	WesTest
Newmont Mining Corporation	Starbird Construction	Westmoreland Coal
Next Generation Solutions	Streamline Contracting	Woodward
Microsoft Corporation	Tallgrass Energy Partners	World Minerals
Northwest Applied Hydrology	Terracon Consultants	XCEL Energy
Oak Ridge National Lab	TX Department -Transportation	Zachry Engineering



# Electrical Engineering & Computer Science Department Report

2012 - 2013 Career Center Annual Report

The Engineering Division Report for 2012-2013 includes the following information:

- ... Summary Data - Electrical Engineering (EE), Computer Science (CS)
- ... Post-Graduation Career Activity
- ... Outcomes Perspective
- ... Salary Perspective / Average Offers

## Engineering Division Summary Data

	# Grads	Industry	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	* Average Salary Offer
BS - EE	60	46	2	2	4	0	1	92%	5	\$62,354
BS - CS	49	31	0	0	14	0	2	96%	2	\$68,267
MS - EE	27	19	2	0	4	2	0	96%	1	\$70,300
MS - CS	13	11	0	0	2	0	0	100%	0	\$84,909
PhD - EE	5	1	1	0	0	3	0	100%	0	N/A
PhD - CS	4	1	3	0	0	0	0	100%	0	\$79,800

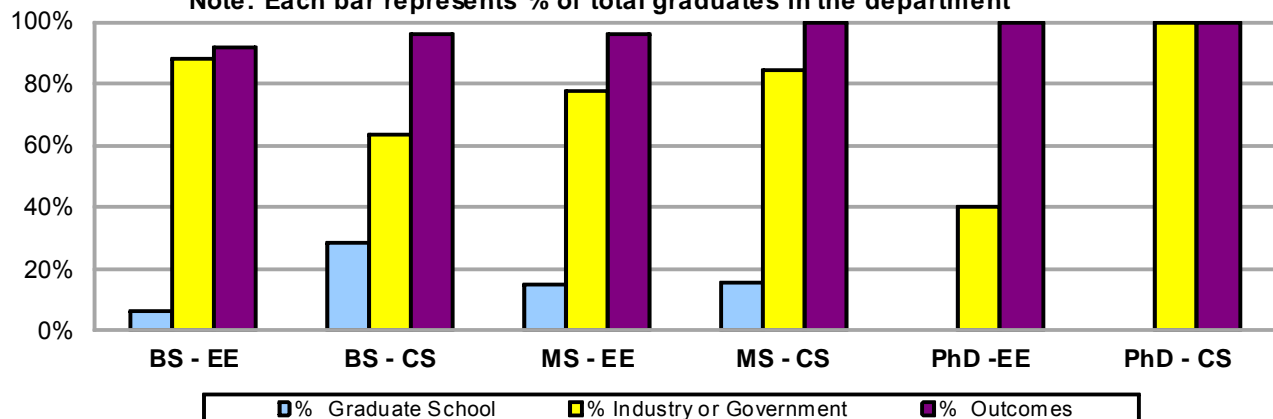
\* N/A implies that limited offers were reported; a reasonable average that maintains confidentiality for graduates is not available.

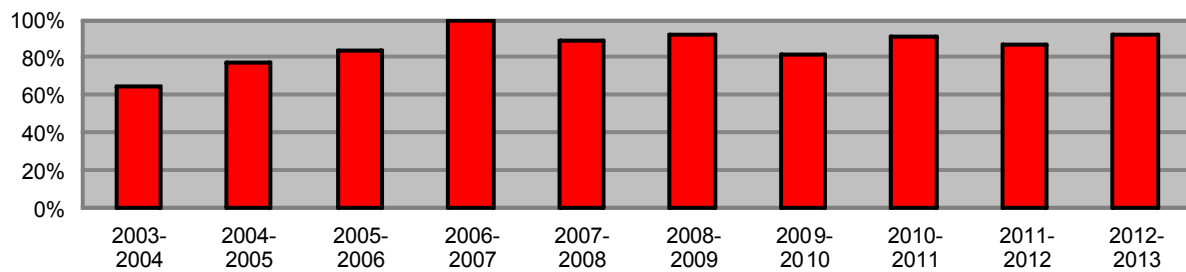
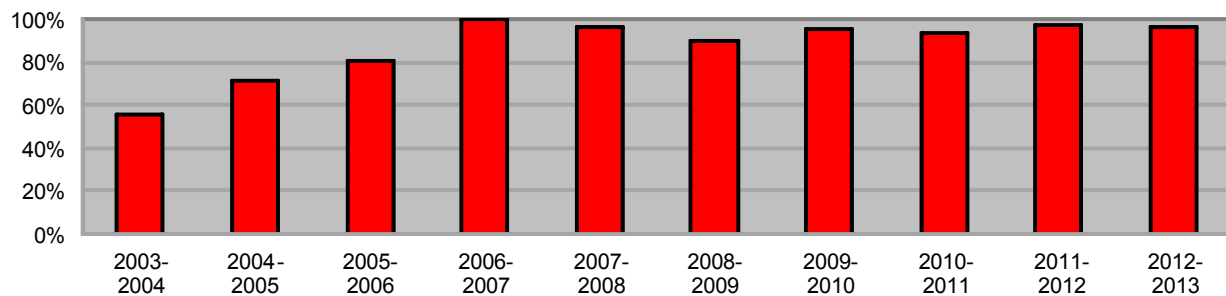
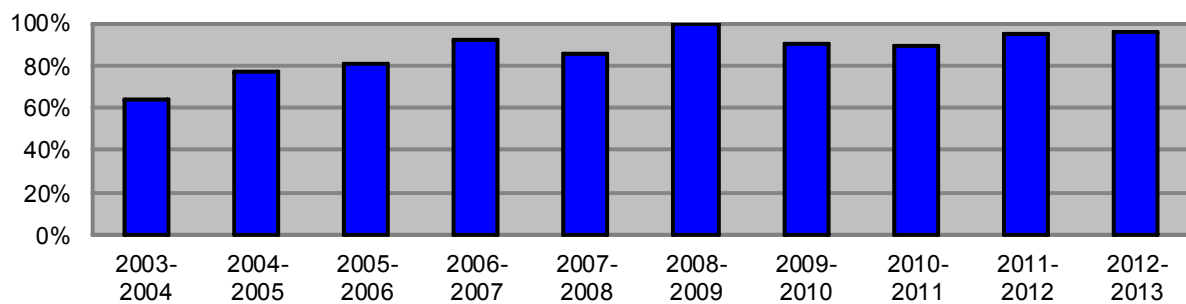
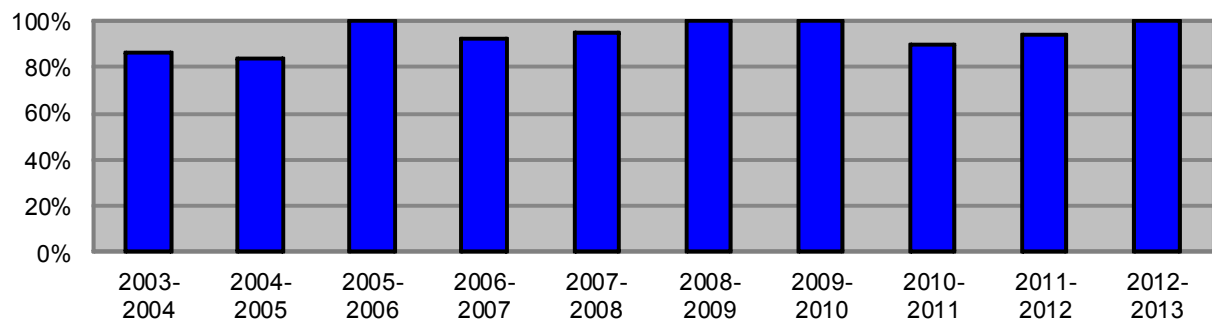
## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary										Graduate School	
	Aero	Consulting	Oil/Gas	Renew Energy	IT/Elect	Mfg	Util	Govt /Mil	Acad Res	Other	CSM	Other
BS - EE	4	7	7	1	17	3	6	2	0	1	2	2
BS - CS	2	2	0	0	25	0	0	0	0	2	0	0
MS - EE	3	11	1	2	1	0	3	0	0	0	12	2
MS - CS	0	0	0	0	9	0	0	0	0	2	2	0
PhD - EE	0	0	0	1	0	0	0	1	0	0	0	0
PhD - CS	0	0	1	0	0	0	0	0	3	0	0	0

## Post-Graduation Career Activity

Note: Each bar represents % of total graduates in the department

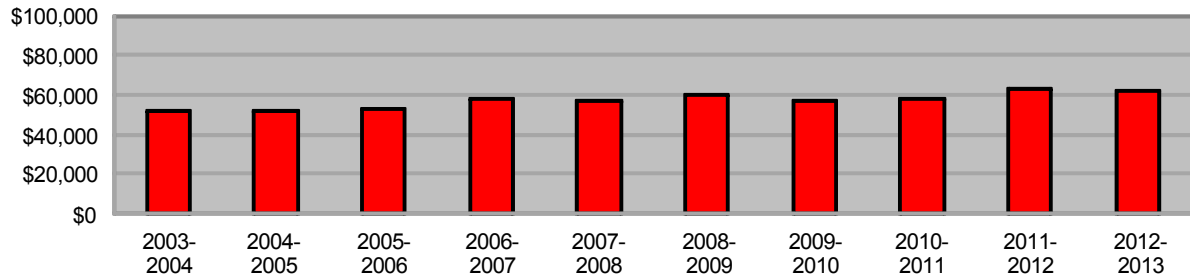


**Electrical Engineering BS Graduates 10-year Outcomes Perspective****Computer Science BS Graduates 10-year Outcomes Perspective****Electrical Engineering MS Graduates 10-year Outcomes Perspective****Computer Science MS Graduates 10-year Outcomes Perspective**

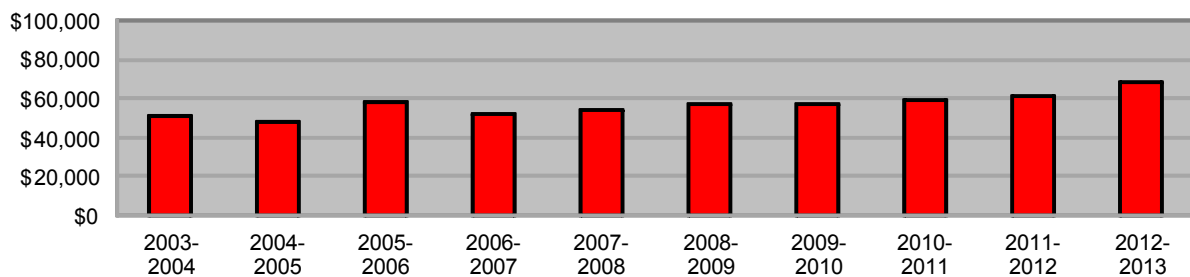


## Electrical Engineering & Computer Science Salary Perspective

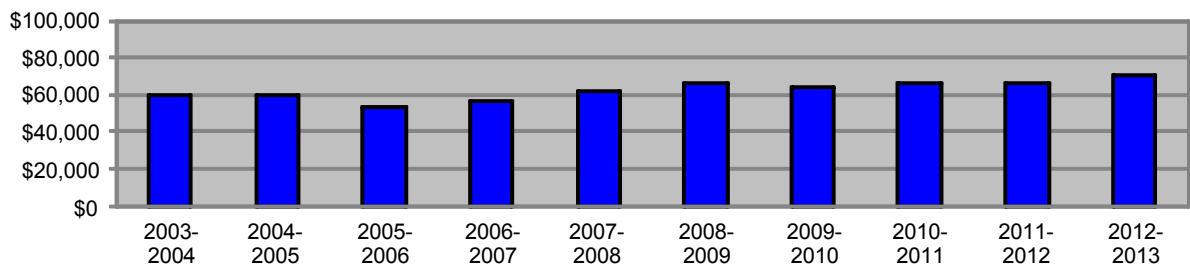
### Electrical Engineering BS Graduates 10-year Salary Perspective



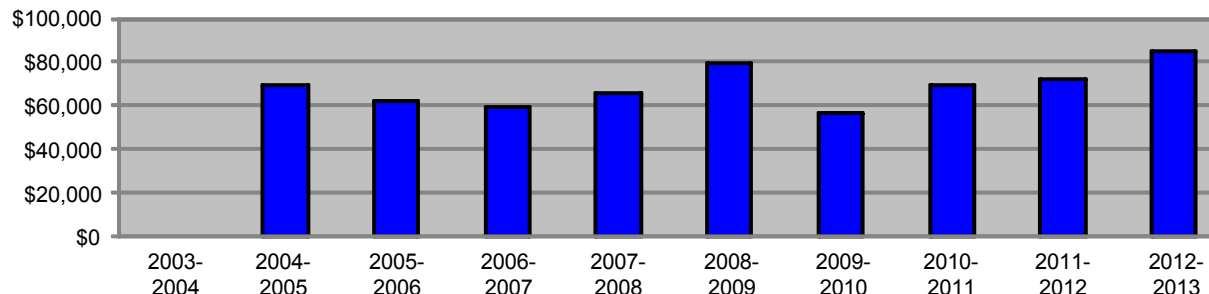
### Computer Science BS Graduates 10-year Salary Perspective



### Electrical Engineering MS Graduates 10-year Salary Perspective



### Computer Science MS Graduates 10-year Salary Perspective



## Internships for Electrical Engineering & Computer Science Students

The 2012-2013 graduates in this department reported completing internships at the following organizations while at CSM.

ADA Technologies	Flatirons Solutions	NREL
Aegis Analytical	Gates Corporation	Pacific Northwest National Lab
Air Sciences	Hazen Research	Page 1 Solutions
ArcelorMittal	Holloway Pipe	Peabody Energy
Asius Technology	Honeywell	RMH Group
Black Hills Energy	IQNavigator	SAIC
Bureau of Land Rec	ITT Corporation	SEAKR Engineering
Burns & McDonnell	Judlau Construction	Sierra Nevada
Carollo Engineering	Kellog, Brown & Root	Stanley Consultants
Caterpillar	Kennedy Electric	Synkera Technologies
CCRD	Kiewit Shore Services	TC Electric
Chevron	Level 3 Commun	Toltek
Covidien	Lockheed Martin	Tri-State Generation/Trans
EchoStar	Merrick & Company	Western Interstate Energy Brd
Exponential Engineering	Minnesota Power	Xcel Energy
ExxonMobil	National Instruments	Zonit Structured Solutions

Other internship opportunities for this department appeared in DiggerNet during the 2012-2013 year, including:

Accelrys	Bentek Energy	Dieterich Standard
Adaequare	Bentley Systems	Dow Chemical Company
Aera Energy	Black & Veatch	Ecocion Environmental Solutions
Agilent Technologies	Black Hills Information Security	Emma L. Bowen Foundation
Agua Caliente	Boeing	Enserca Engineering
AirCell	Cable Television Laboratories	EOG Resources
AlchemyAPI	CalPortland	Escape Dynamics
ALIO Industries	CaptiveAire	Esri
Alpha Data	Catholic Health Initiatives	Fast Enterprises
Amazon	CenturyLink	Fusion-io
AMD	CH2M HILL	Gas Compressor Consultants
Amer Coalition Clean Coal Elect.	Cimation Engineering	GlobaLogix
Anadarko Petroleum	Cisco Systems	Golden Software
Ansys	Clearwater Analytics	Gulfstream Aerospace
Applt Ventures	Colorado Bioscience Association	Halliburton
AppliedTrust	Colorado Secretary of State	HGST
Arch Coal	Colorado Springs Utilities	Home Advisor
AspenCloud	Comcast	HomeAway.com
Audubon Engineering	ConMed Electrosurgery	IBM Systems and Technology Group
AVAYA	ConocoPhillips	iConsult
AWR Corporation	Cryotorr Scientific	IMERYS
Baker Hughes	DataLogix	Implematics Consulting Group
Ball Aerospace & Technologies	DataVerity	Industrial Cooling Solutions,
BAND-IT-IDEX	Denver Energy Group	Infinite Automation Systems

Additional internship opportunities for this department appeared in DiggerNet during 2012-2013 year, including:

InfoPrint Solutions Company	Northrop Grumman	Timken
Inst. Computational Eng. / Sciences	Novinda	Travelport
IntelliProp	Nucor Steel	Turner Constructin
ITT Exelis, SENSOR Program	Oak Ridge Institute	Sandia National Lab
JEMSU	Ombud	SanDisk Corporation
Jeppeson	OpenLogic	Sandoz
Johns Manville	P&G	Scitor
Karcher North America	Pacific Northwest National Lab	Sencore
Keymark Enterprises	Pathfinder Systems	Sierra Detention
Kimley Horn and Associates	Picosecond Pulse Labs	Sinton Instruments
LabJack	Quanata Power Generation	Spatial Corporation
Laserfiche	Rally Software	Spectra Logic
Lexmark International	Reglera	Spinfusion
LGS Innovations	Renewable Energy Systems	SpotXChange
LifeBound	Rhombus Power	SRS
Liventus	Ricoh	The Regis Company
Mainstream Engineering	Rocky Mountain Scientific Lab	Time Warner Cable
Marathon Oil Company	Sandia National Lab	Timken
Markit on Demand	SanDisk Corporation	Travelport
Maxim Integrated Products	Sandoz	Turner Constructin
McDade-Woodcock	Scitor	TW Telecom
MedKeeper	Sencore	Tyler Technologies
Medtronic SNT	Sierra Detention	U.S. Geological Survey
Microsoft	Sinton Instruments	UNAVCO
Miranda Technologies	Spatial Corporation	United Launch Alliance
Nat. Inst. of Standards / Technology	Spectra Logic	UCAR
NASA	Spinfusion	Vaisala
Newfield Wireless	SpotXChange	Verizon
Newmont Mining	SRS	Vermeer
NFT	The Regis Company	Webflings
Niagara Bottling	Time Warner Cable	Western Electronics



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# Mechanical Engineering Department Report

2012 - 2013 Career Center Annual Report

The Engineering Division Report for 2012-2013 includes the following information:

- ... Summary Data - Mechanical, Engineering (ME), Engineering Systems (ES)
- ... Post-Graduation Career Activity
- ... Outcomes Perspective

## Engineering Division Summary Data

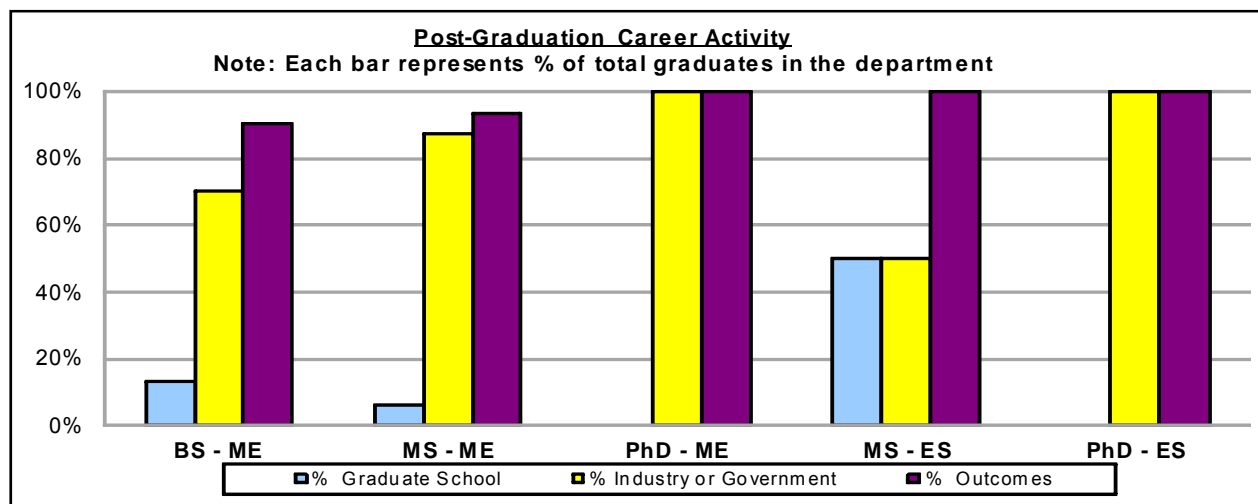
	# Grads	Industry	Gov't.	Military	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	* Average Salary Offer
BS - ME	182	127	1	4	24	1	8	91%	17	\$64,490
MS - ME	32	23	5	0	2	0	0	94%	2	\$72,437
PhD - ME	1	1	0	0	0	0	0	100%	0	N/A
MS - ES	4	2	0	0	2	0	0	100%	0	N/A
PhD - ES	2	1	1	0	0	0	0	100%	0	N/A

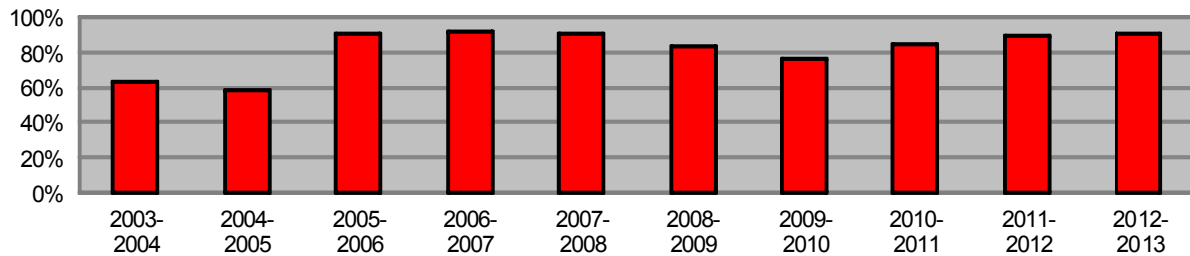
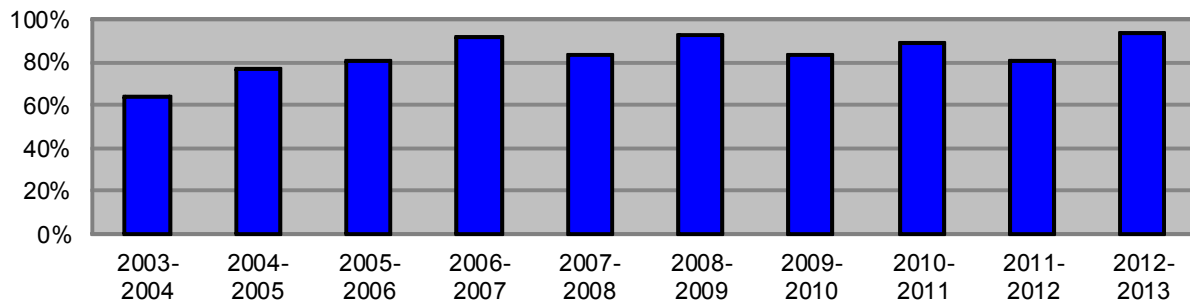
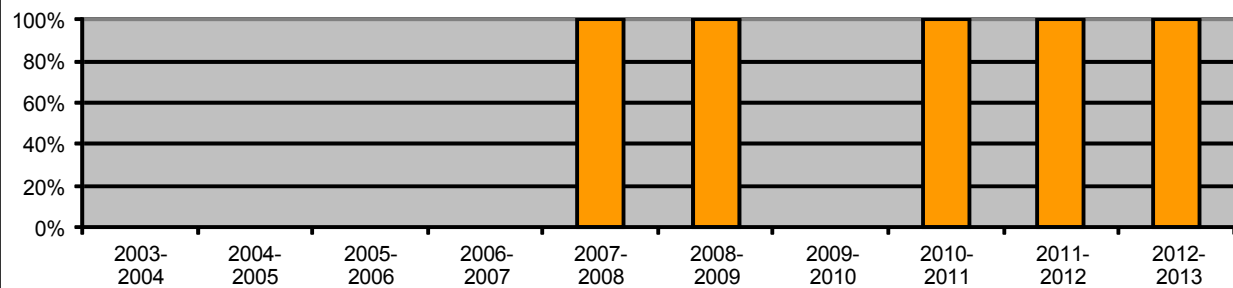
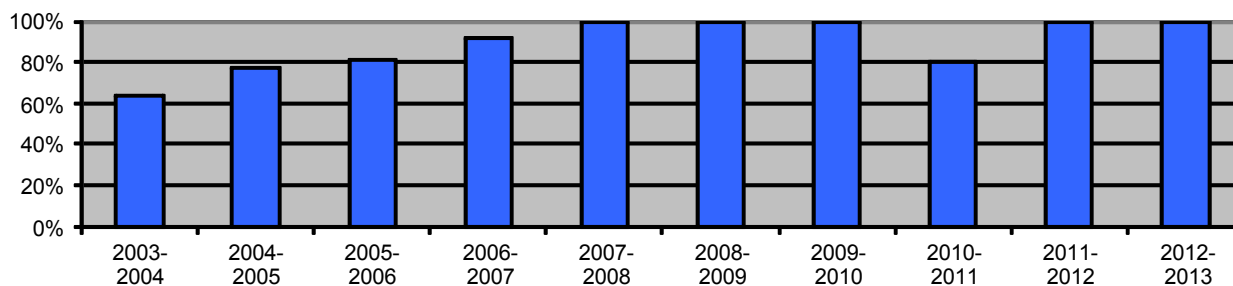
\* N/A implies that limited offers were reported; a reasonable average that maintains confidentiality for graduates is not available.

## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary												Graduate School	
	Aero	Bio-med	Consult	Oil/Gas	Renew Energy	IT / Elect Telecom	Mfg	Mining	Util	Other	Govt /Mil	Acad Res	CSM	Other
BS - ME	11	7	34	36	0	8	27	2	2	0	5	0	19	5
MS - ME	5	1	2	5	2	7	3	0	0	0	1	2	2	0
PhD - ME	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MS - ES	0	0	1	0	0	0	1	0	0	0	0	0	2	0
PhD - ES	0	0	0	1	0	0	0	0	0	0	1	0	0	0

## Mechanical Engineering Post-Graduation Outcomes

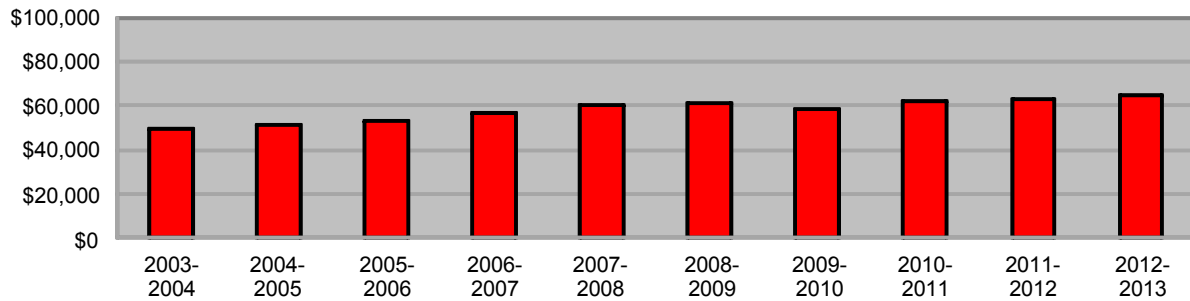


**Mechanical Engineering Outcomes Perspective****Mechanical Engineering BS Graduates 10-year Outcomes Perspective****Mechanical Engineering MS Graduates 10-year Outcomes Perspective****Mechanical Engineering PhD Graduates 10-year Placement Perspective****Engineering Systems MS Graduates 10-year Placement Perspective**

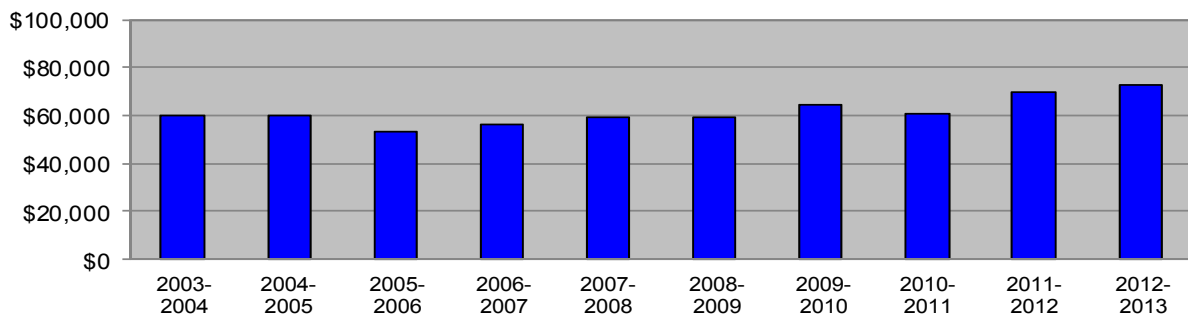
## Mechanical Engineering Salary Perspective

\* There is not enough historical salary data to be reliable for PhD candidates, therefore graphs is not provided.

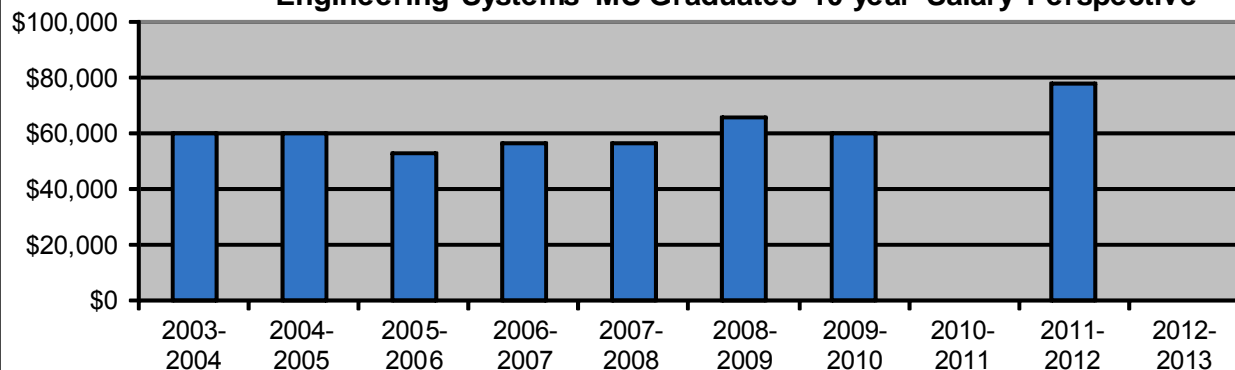
### Mechanical Engineering BS Graduates 10-year Salary Perspective



### Mechanical Engineering MS Graduates 10-year Salary Perspective



### Engineering Systems MS Graduates 10-year Salary Perspective



## Internships for Mechanical Engineering Students

The 2012-2013 graduates in this department reported completing internships at the following organizations while at CSM.

ABENGOA Solar	Colorado Fuel Cell Center - Mines	HEM Saw
ABS	Colorado Springs Utilities	Hepworth-Pawlak Geotechnical
Acroname	Cryotorr Scientific Corporation	Hess
Acroname Robotics	Crystal River Oil & Gas	HP Geotech
Acura Engineering	Data Tracks	Imerys
Advanced forming Technoogy	DB Schenker	IMERYS Carbonates
Aera Energy	Delphi Automotive	Intel
American Bureau of Shipping	Denver Water	Interralogic
Anadarko Cooperation	Devon Energy	ITT
Arcadis	Dow Chemical	Jeppesen
ArcelorMittal	DRS Engineering Contractors	JP Kenny
ASARCO	E.S.I.	Karcher NA
ASR Companies	Eaton	Kelly Services/Woodside
ATG Rehab	EIMCO Water Technologies	Kiewit Western
ATK	El Paso	Lim
Avago Technologies	Electroimpact	Lockheed Martin
Avaya	Ellwood National Crankshaft	Los Alamos National Laboratory
Baker Hughes	Emerge Medical	Major Geothermal
Ball Aerospace & Technologies	Encana	Mariner Energy
Baxter	Enserca Engineering	Medical Modeling
Belden Inc	Envirachar	MHA Petroleum Consultants
BHP Billiton	EPC	MillerCoors
Bimbo Bakeries	EPIC	Mobile Barriers
Black Dog Cycle Works	Evrax	Molson Coors
Boeing	Exellis/ ITT	MV LLC
Boulder Electric Vehicle	Facility Engineering Associates PC	National Instruments
BP	FiberForge	NREL
BrazilShip	First RF Corporation	Newmont
Brightleaf Technologies	Fleet Readiness Center East	Nolte Engineering
Broad Reach Engineering	Fortitude Skis	Northrop Grumman
C.D.O.T	FreeWave Technologies	Northwestern Mutual
Canrig	Frito Lay	NREL
Car-May	Gardner Denver	Oceaneering
Caterpillar	Gates Company	OilPatch Technologies
Central Federal Lands	Ground Engineering	Owens Corning
Certified Prosthetics and Orthotics	Gulfstream Aerospace	PacifiCorp
CESEP Wind Tunnel Lab	H2W United	Peabod Energy
CH2M Hill	Halliburton	Physics Department - Mines
Chevron Phillips Chemical	Hanger Clinic	Pierre Auger Cosmic Ray Obser
CLAAS	Hardy Diagnostics	Pine Valley Electric



Internships reported by graduating students, continued.

Ping Golf	Sierra Nevada Brewing	U.S. Bureau of Reclamation
Qwest Communications	Skratch Labs	United Launch Alliance
Ranch Oil	Spartin Pumping	University Directories
RAS	Spatial Info	UPS
Raytheon	Specialty Products	Venoco
Recondo Technology	Spectra Logic	Vortex Tools
Reglera	Sun Print Management	Vulcan Materials
RICOH	Suncor	Watermill Express
Rocky Mt. Reagents	Sundew Technologies	Weber Metals
RSCI	Sundyne	Western Engineering Research
RTD	Takraf	Western Forge
Rubicon Water	TLH PE, LLC	Whiting Petroleum
Sandia Labs/Lockheed Martin	TMK IPSCO	Williams
Sandoz	Trane	Windsor
Schlumberger	Transport Technology Center	Wison Floating Systems
Severstal North America	Tricon Geophysics	Wolf Robotics
Shimmick Construction	TTCI	Xcel Energy
Sierra Nevada	Turner Construction	Zachry Engineering

Other internship opportunities for this department appeared in DiggerNet during the 2012-2013 year, including:

2H Offshore	ExxonMobil	Polaris Industries I
ALIO Industries	Gas Compressor Consultants,	Precision Castparts
ACCCE	Gulfstream Aerospace	QEP Resources
Audubon Engineering	Halliburton	Quadna
BAND-IT-IDEX	Honeywell	Sinton Instruments
Bard Therapeutic	IBM Systems and Technology	Statoil
Berry Petroleum Company	Industrial Cooling Solutions	Steelhead Composites
Black Hills	ICES	Structural Integrity Associates
Burns & McDonnell	Johns Manville	The Conti Group
Calpine	Juwi Solar	Timken Company
CaptiveAire	MedKeeper	Tri-State Generation/Trans.
CH2M HILL	Medtronic SNT	Turner Construction
Checkers Indust. Safety Prod.	Meritage Midstream	U.S. ARMY
Chesapeake Energy	Mountainside Medical	U.S. Navy Nuclear Propulsion
Cimation Engineering	NIST	University of Wyoming
Comcast	Niagara Bottling	USGBC Colorado
ConMed Electrosurgery	Northrop Grumman	Victaulic
Consilium Partners	Nucor Steel	Wadsworth Control Systems
Cryotorr Scientific	ORISE	Western Electronics
Dieterich Standard	Oldcastle Precast	Westmoreland Coal
Emma L. Bowen Foundation	Paragon 28	WPX Energy
EN Engineering	Pathfinder Systems	Yampa Valley Electric
ERCB	Phillips 66	Zavanna
Escape Dynamics	Plains Exploration & Production	Zayo Group



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This chapter of the Colorado School of Mines Career Center Annual Report includes outcome details for the College of Earth Resource Sciences and Engineering (CERSE), and contains information for the following academic departments:

Economics and Business

Geology and Geological Engineering

Geophysics

Liberal Arts and International Studies

Mining Engineering

Petroleum Engineering



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# Economics & Business Division Report

2012- 2013 Career Center Annual Report

The Economics & Business Division Report for 2012-2013 includes the following information:

- Summary Data - Economics BS, Engineering Technology Management (ETM) MS, and Mineral & Energy Economics (MEE) MS and PhD
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Economics, ETM, Mineral & Energy Economics

	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS – EB	12	7	0	0	4	0	0	92%	1	\$56,917
MS – ETM	19	11	3	1	1	2	0	95%	1	\$71,233
MS – MEE	42	21	2	1	5	8	0	88%	5	\$70,000
PhD – MEE	4	0	1	2	0	1	0	100%	0	N/A

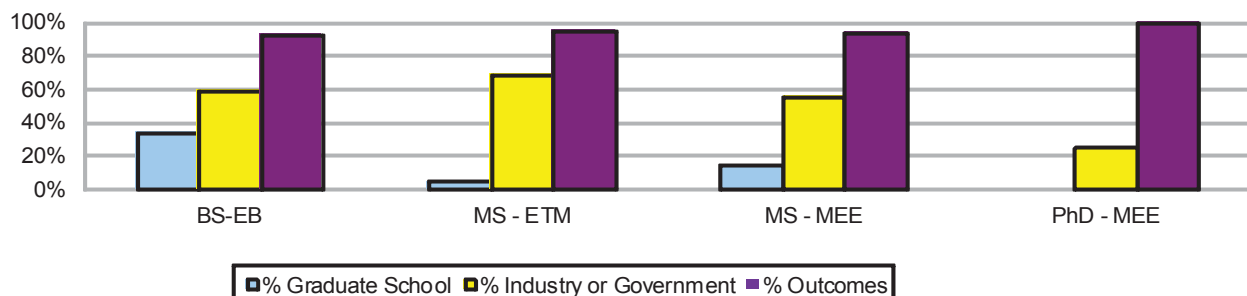
\* N/A implies that limited offers were reported; a reasonable average that maintains confidentiality for graduates is not available.

## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary											Graduate School	
	Aero	Consulting	Oil / Gas	Renew Energy	Business / Fin	IT	Mfg	Mining	Academia	Gov't / Mil	Other	CSM	Other
BS – EB	0	2	1	0	2	1	1	0	0	0	0	3	1
MS – ETM	1	3	3	0	1	2	0	1	0	3	1	1	0
MS – MEE	0	8	7	1	2	1	0	3	0	2	0	5	0
PhD – MEE	0	0	0	0	0	0	0	0	1	0	1	0	0

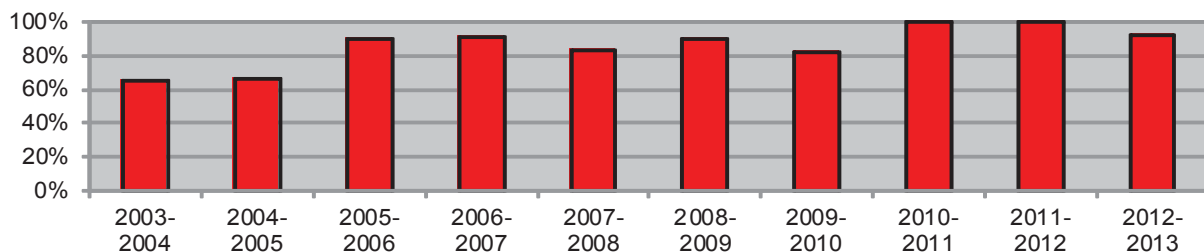
## Post-Graduation Career Activity

Note: Each bar represents % of total graduates in the department.

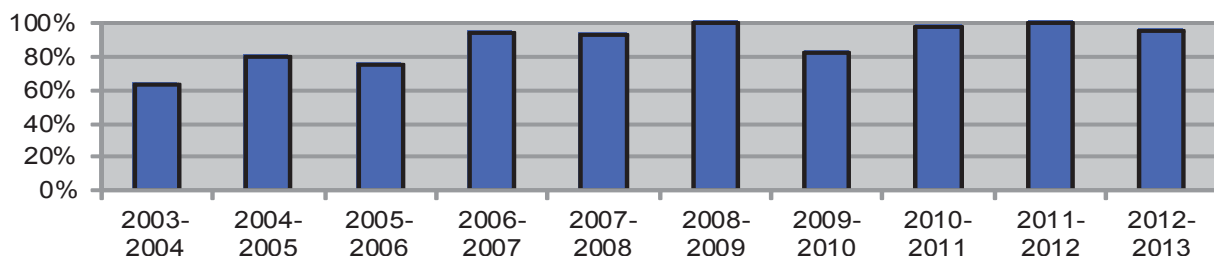


## **Economics & Business Division Outcomes Perspective**

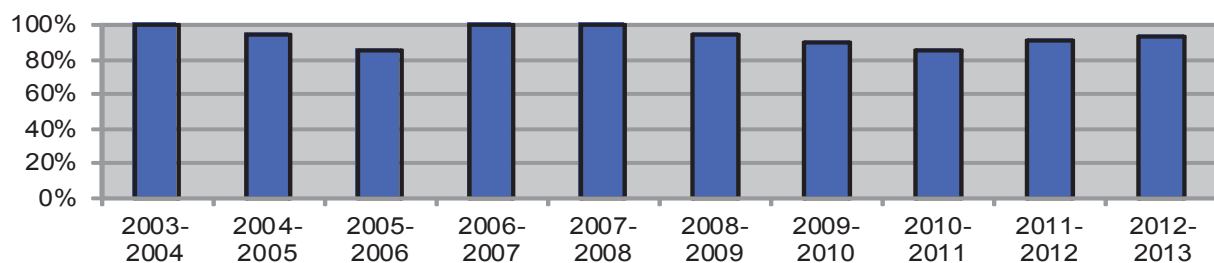
### **Economics & Business BS Graduates 10-year Outcomes Perspective**



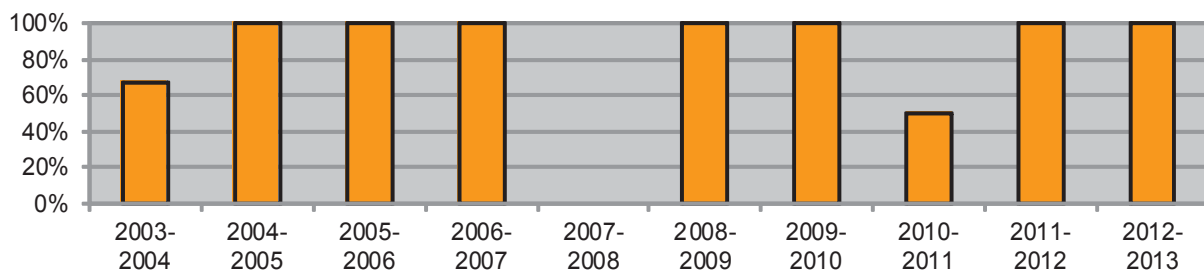
### **Engineering Technology Management MS Graduates 10-year Outcomes Perspective**



### **Mineral & Energy Economics MS Graduates 10-year Outcomes Perspective**

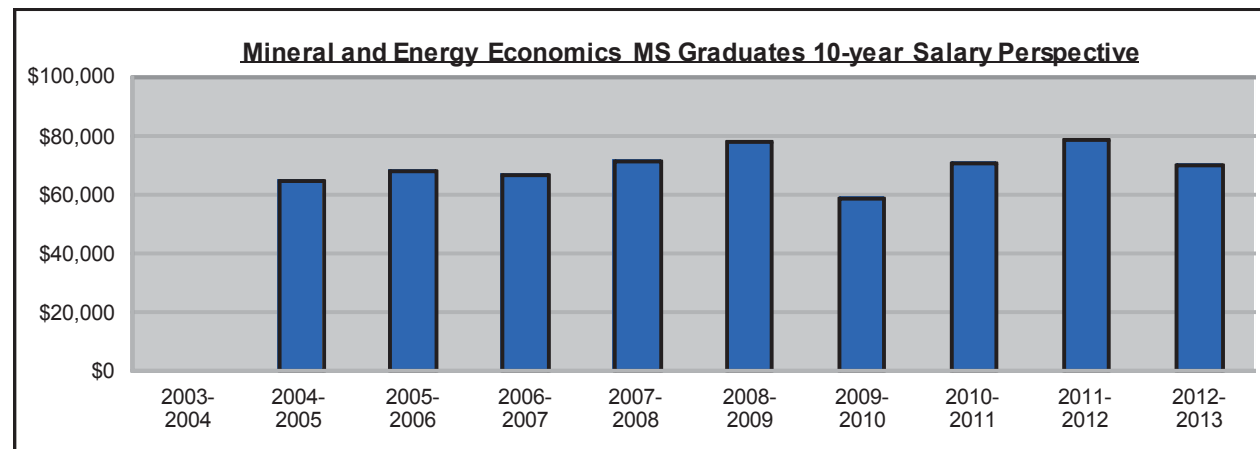
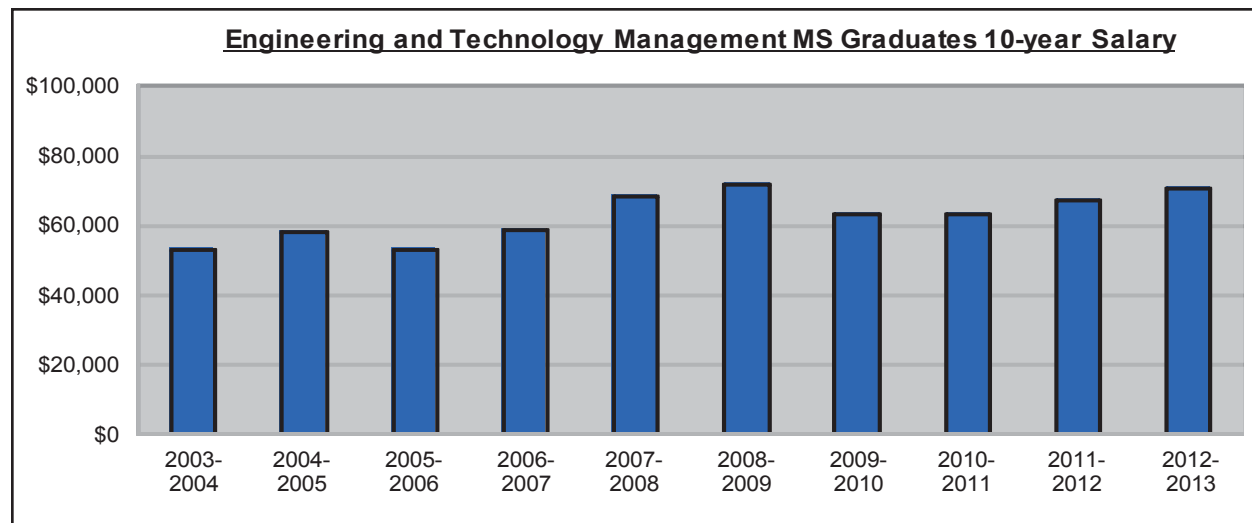
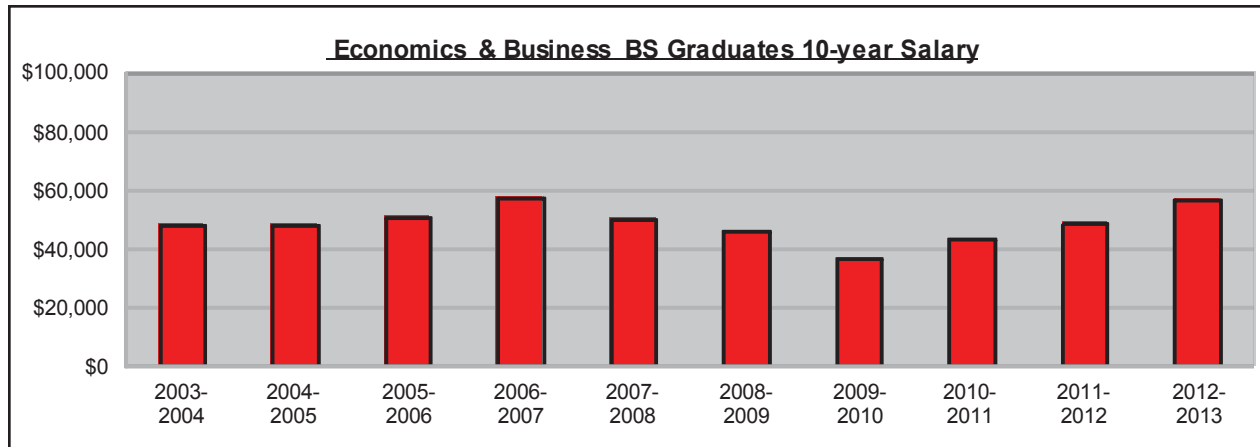


### **Mineral & Energy Economics PhD Graduates 10-year Outcomes Perspective**



### **Economics & Business Division Salary Perspective \***

\* There is not enough historical salary data to be reliable for PhD candidates, therefore a graph is not provided.



## Internships for Economics & Business Division Students

The 2012-2013 graduates in this department, including Economics & Business, Engineering & Technology Management, and Mineral & Energy Economics reported completing internships with the following organizations while at CSM:

AC Golden	Energy Fuels Resources	Ponderosa Advisors
Austin Exploration	EOG Resources	Primerica
Bentek Energy	First Quantum Minerals	Private Consulting
BHP	Jim Walter Resources	Resource Capital Funds
Bureau of Land Management	Kiewit Building Group	Rio Tinto Minerals
Burns & McDonnell	Lockheed Martin	Royal Gold
CDOT	MillerCoors	SNIM
Chevron	Mintec	State of Colorado
Colorado Department of State	Neal Adams	Suncor Energy
Colorado School of Mines	Newmont	Travelport
CoorsTek	NREL	Triumph Capital Management
Decision Strategies	Overland Conveyor	U.S. Department of Energy
Devon Energy	Pan American	Venoco
Emerson (Micro Motion)	Peabody Energy	Vulcan Materials

Other internship opportunities for this department's majors appeared in DiggerNet during the 2012—2013 academic year, including:

AAA Northern CA,NV,UT	Esri	Nat'l. Inst Standards/Technology
Agilent Technologies	ExxonMobil	Next Generation Solutions
AlchemyAPI	Frontier Airlines	Nordstrom fsb
ARCADIS	General Electric	Northrop Grumman
BCS	Halliburton	Northwestern Mutual
Berry Petroleum Company	Home Advisor	Oak Ridge Institute
Boeing Company	IMERYS	OdysseyRe
Caterpillar	Industrial Cooling Solutions	OpenLogic
Cimation Engineering	J.P. Turner & Company	PDC Energy
CO Cleantech Industry Assoc.	Janus Capital Group	Schlumberger
Comcast	Level 3 Communications	Startup Colorado
Comcast Corporation	LGS Innovations	Swiss Finance Academy
Consilium Partners	Markit on Demand	USGS
ConverDyn	McGraw-Hill Financial	Waste to Energy Partners
Denver Energy Group	M-Marketing Group	XCEL Energy



# Geology & Geological Engineering Department Report

2012 - 2013 Career Center Annual Report

The Geology and Geological Engineering Department Report for 2012-2013 includes the following:

- Summary Data - Geology and Geological Engineering (GE) and Hydrologic Science (HY)
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Geology & Geological Engineering Summary Data

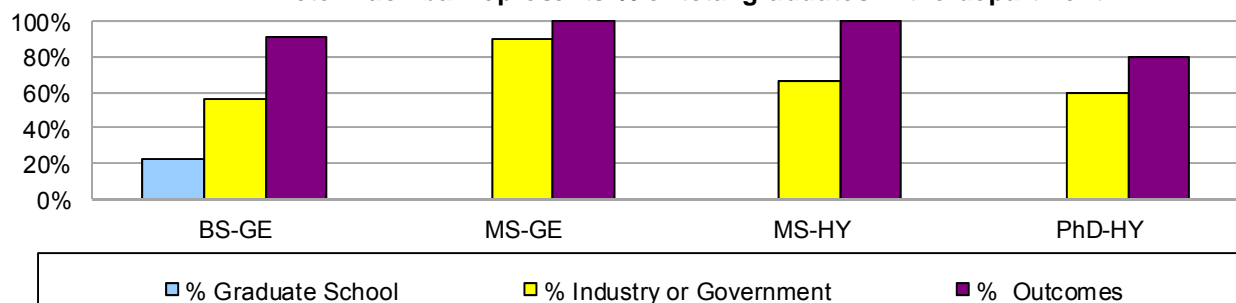
	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS-GE	32	17	1	1	7	2	1	91%	3	\$58,765
MS-GE	38	33	1	0	0	3	1	100%	0	\$94,392
PhD-GE	6	3	1	0	0	1	1	100%	0	\$100,324
MS - HY	13	10	1	0	0	1	0	92%	1	\$58,572
PhD—HY	5	1	2	0	0	0	1	80%	1	\$61,333

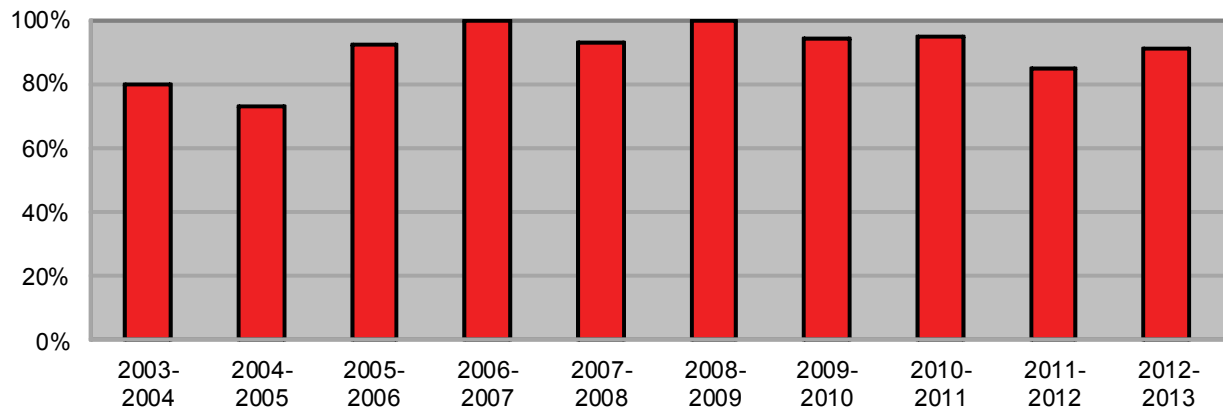
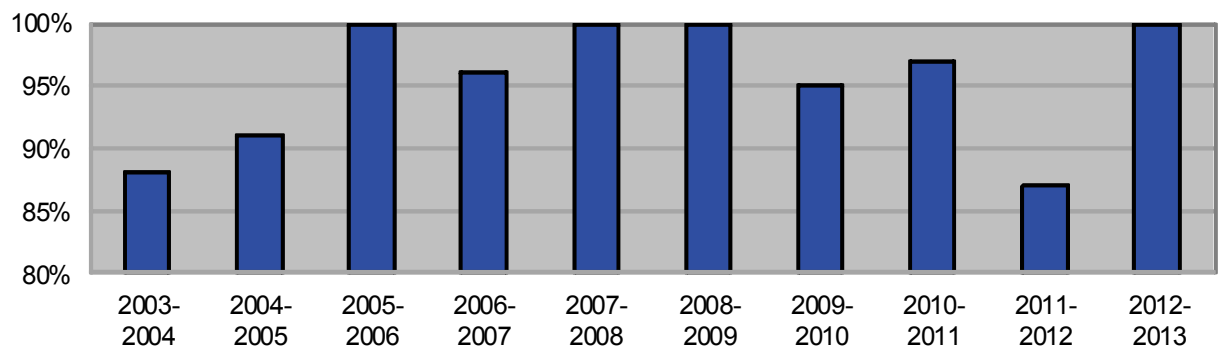
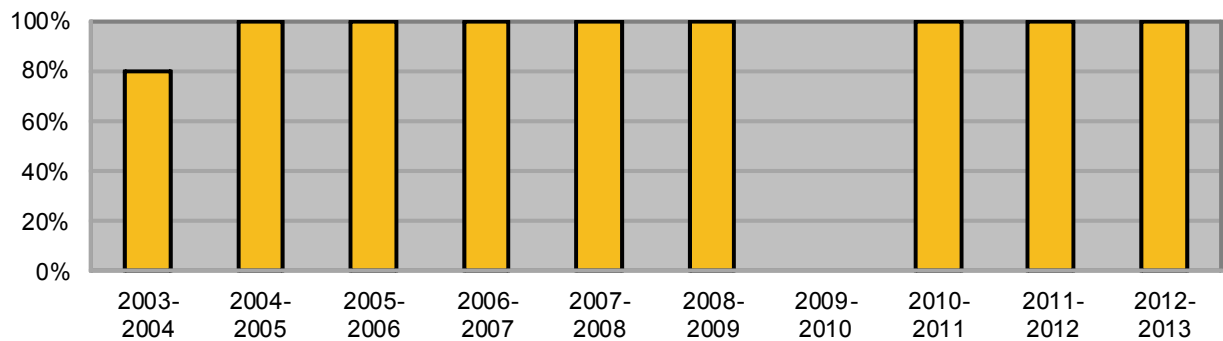
## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary						Graduate School	
	Consulting	Oil/Gas	Mining	Academia/ Research	Gov't.	Other	CSM	Other
BS-GE	7	7	3	0	1	0	6	1
MS-GE	4	21	8	0	1	0	0	0
PhD-GE	0	2	1	1	0	0	0	0
MS - HY	6	3	1	1	0	0	0	0
PhD—HY	1	0	0	2	0	0	0	0

## Post-Graduation Career Activity

Note: Each bar represents % of total graduates in the department

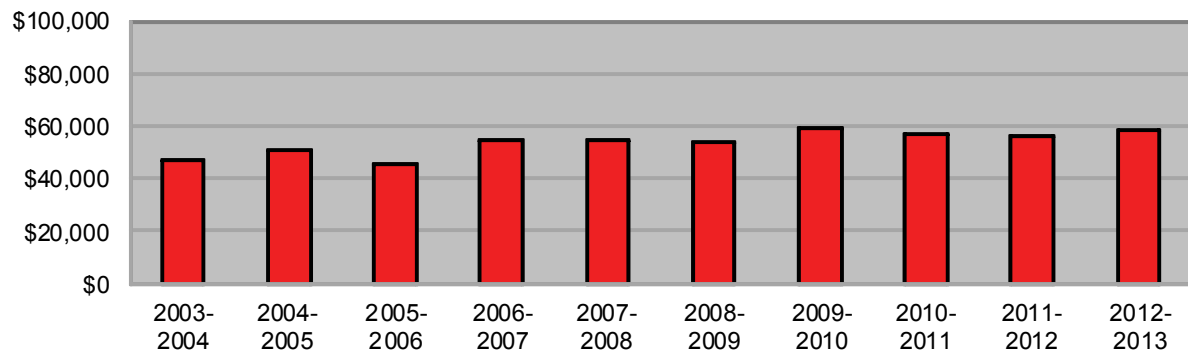


**Geology & Geological Engineering Department Outcomes Perspective****Geological Engineering BS Graduates 10-year Outcomes Perspective****Geological Engineering MS Graduates 10-year Outcomes Perspective****Geological Engineering PhD Graduates 10-year Outcomes Perspective**

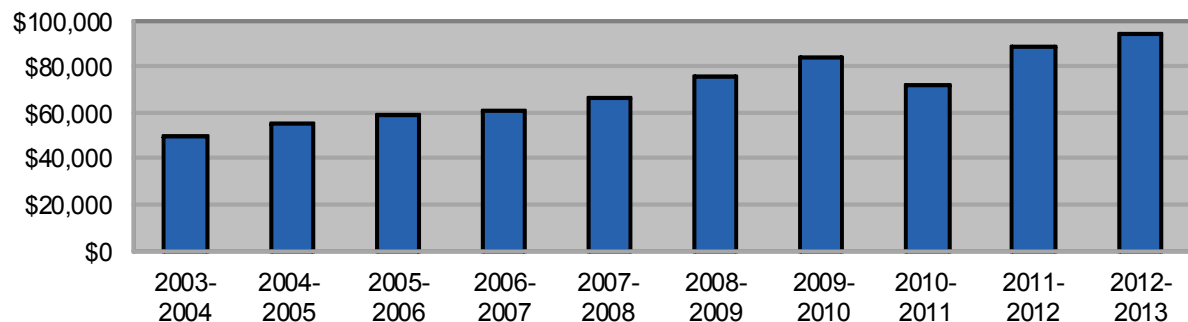
## Geology & Geological Engineering Department Salary Perspective \*

\* There is not enough historical salary data to be reliable for PhD candidates; therefore, this graph is not provided.

### Geology & Geological Engineering BS Graduates 10-year Salary Perspective



### Geology & Geological Engineering MS/P Graduates 10-year Salary Perspective



## Internships for Geology & Geological Engineering Department Students

The 2012-2013 graduates in this department reported completing internships at the following organizations while at CSM.

Aggregate Industries	Essential Management Solutions	QEP Resources
Anadarko Petroleum	Freeport McMoRan	Revolution Resources
Apache	Geomega	Rio Tinto
Ausenco	Gold Fields Exploration	Silver Bull Resources, Inc
Berry Petroleum Company	Golder Associates	SM Energy
BHP Billiton	Ground Engineering Consultants	Southwestern Energy
BLM	Imerys	Stantec Consulting
BP	Ivanplats	Storage Tank Technology
Canamex Resources, Inc	Krescent Energy	Sundance Energy
Cardero Resources	Marathon Oil	Talisman Energy
City and County of Denver	Metro Districts Public Works	Thermochem
Concho Resources	Newfield Exploration	UC&T
ConocoPhillips	Newmont	UPE-Watson
Colorado School of Mines	Newmont Mining	USBR
Geology Dept. - Mines	Noble Energy Inc	USGS
Niobrara Research - Mines	Occidental Oil and Gas	Venoco
CEE - Mines	Oklahoma Dept of Env Quality	Weaver Boos Consultants
Dana Industries	Ormat Nevada	Whiting Petroleum
Devon Energy	Oromining	Wilcox and Barton
Endeavor International	Oxy	Williams
Esperanza Resources	Platte Associates	Zbyte

Other internship opportunities for this department appeared in DiggerNet during the 2012-2013 academic year, including:

Agua Caliente	EP Energy	Mithril Capital Management
Apache	Esri	NIST
ARCADIS	ExxonMobil	ORISE
Baker Hughes	Halliburton	PacifiCorp
BGC Engineering	Hecla Mining	SAK Construction
Bishop-Brogden Associates	Hess	Sakakawea Ventures
Burns & McDonnell	IAMGOLD	Schlumberger
Calpine	ICES	Statoil
CH2M Hill	Jefferson County Government	Swan Energy
Chevron	Lehigh Hanson	Swift Energy
Cimarex Energy	Leppert Associates	USGS
Consilium Partners	Magnetation	Victaulic
ConverDyn	Merco	Zavanna

# Geophysics & Geophysical Engineering Department Report

2012 - 2013 Career Center Annual Report

The Geophysics & Geophysical Engineering Department Report for 2012 - 2013 includes the following:

- Summary Data
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Geophysics and Geophysical Engineering Summary Data

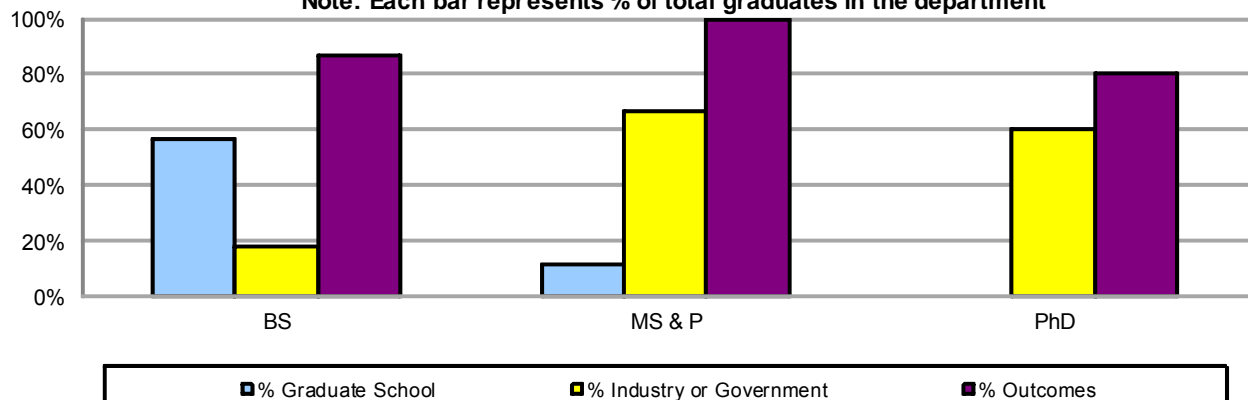
	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS-GP	23	4	0	0	13	3	0	87%	3	\$58,500
MS-GP	18	12	0	0	2	4	0	100%	0	\$94,070
PhD-GP	5	3	0	0	0	1	0	80%	1	\$115,867

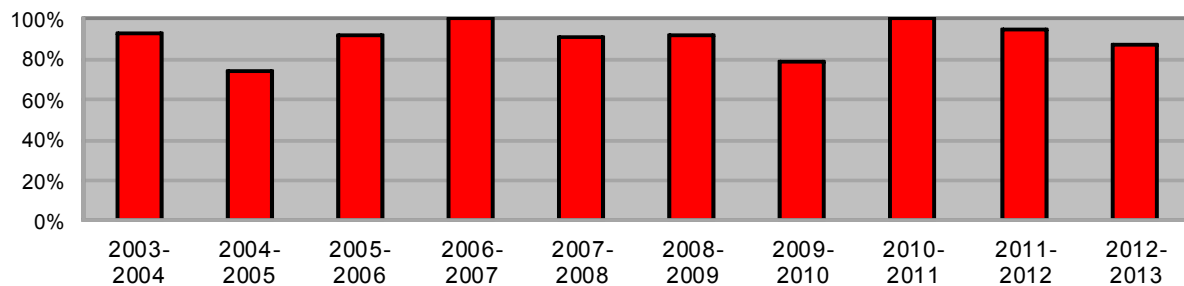
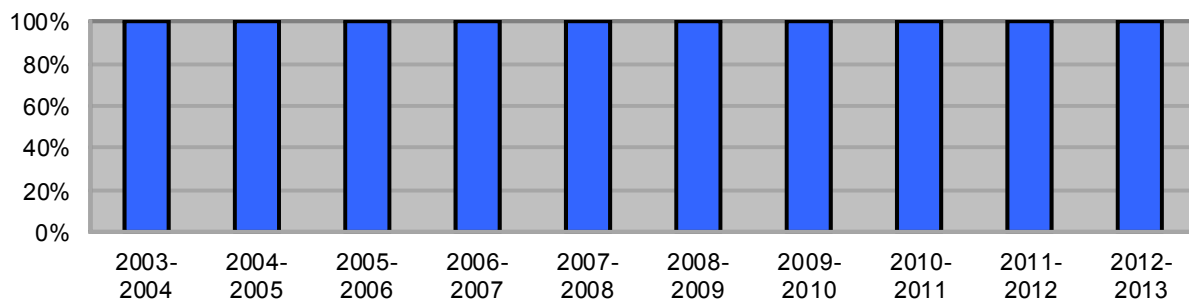
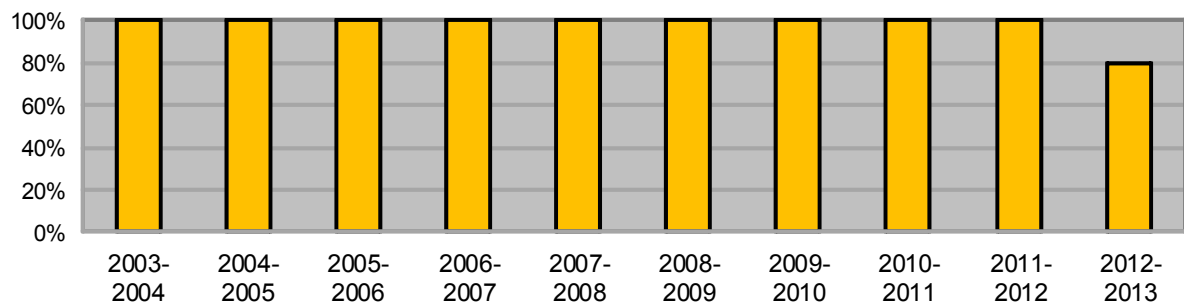
## Outcomes Detail

Detailed Break-down	Positions Accepted—Industry/Government Summary						Graduate School	
	Oil/Gas	Engineering Consulting	Mining	Gov't	Academia/ Research	Other	CSM	Other
BS-GP	2	2	0	0	0	0	11	2
MS-GP	12	0	0	0	0	0	2	0
PhD-GP	3	0	0	0	0	0	0	0

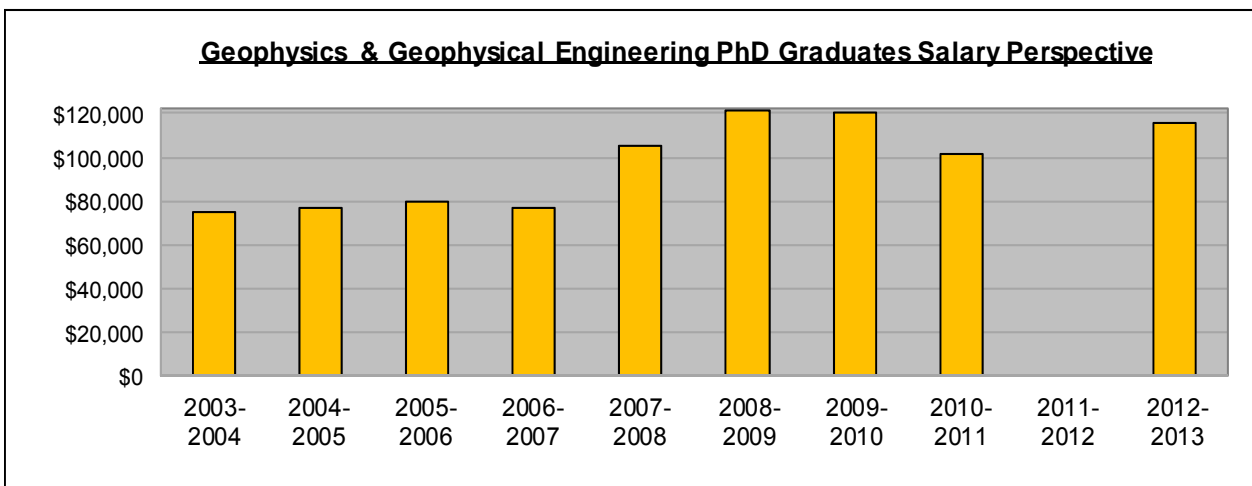
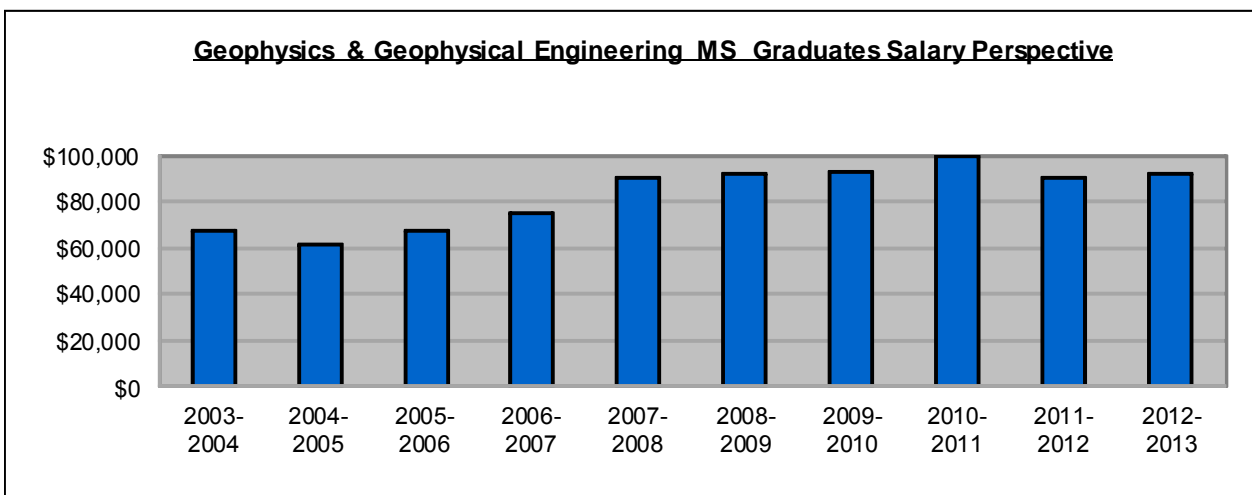
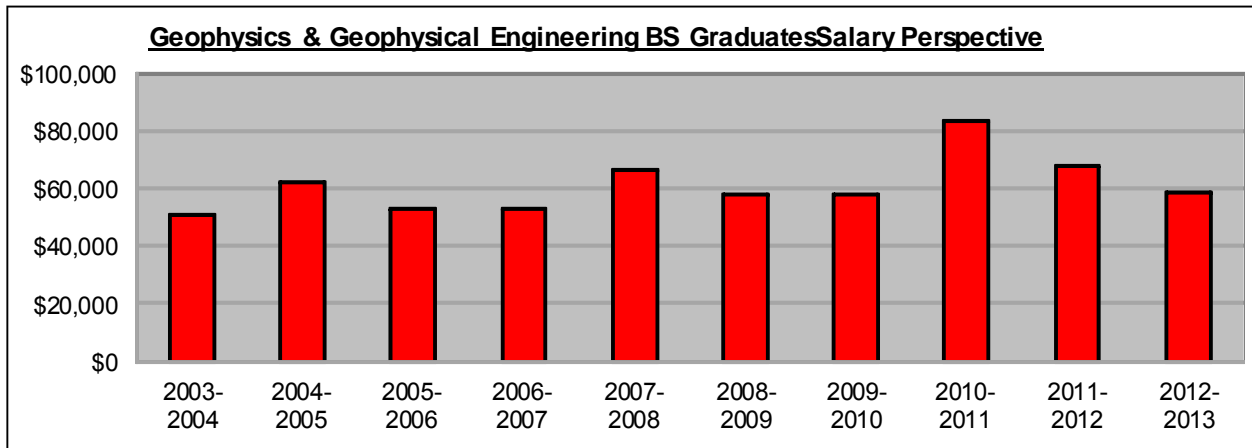
## Post-Graduation Career Activity

Note: Each bar represents % of total graduates in the department



**Geophysics & Geophysical Engineering Department Outcomes Perspective****Geophysics BS Graduates 10-year Outcomes Perspective****Geophysics MS Graduates 10-year Outcomes Perspective****Geophysics PhD Graduates 10-year Outcomes Perspective**

**Geophysics & Geophysical Engineering Department Salary Perspective**



## Internships for Geophysics & Geophysical Engineering B.S. Students

The 2012-2013 graduates in this department reported completing internships at the following organizations while at Mines.

Anadarko	Global Geophysics	Sierra Nevada Corp
Aramco	Halliburton/Landmark	Sigma Cubed
BHP Billiton	Hess Co.	Sky Research
BP	Kelman DM	Statoil
Chevron	Leppert Associates	Sterling Seismic
Cimarex	NEOS	Stolar Horizon
Colorado School of Mines	Newmont Mining Corporation	Transform Software and Services
ConocoPhillips	Presley Petroleum	USGS
EMC Engineering	Rio Tinto	Whiting Petroleum
Ensign USD	Schlumberger	Z-Byte
ExxonMobil	Shell	

Other internship opportunities appeared in DiggerNet for this department during the 2012-2013 academic year, including:

NIST	Consilium Partners	Merco
Agua Caliente	Devon Energy	Mithril Capital Management
Apache	EP Energy	Newfield Exploration
ARCADIS	Golden Software	Noble Energy
Baker Hughes	IAMGOLD	Occidental Oil & Gas
Calpine	ICES	ORISE
CH2M Hill	Jefferson County Government	Sakakawea Ventures
Concho Resources	Marathon Oil	Swift Energy



# Liberal Arts & International Studies Department Report

2012 - 2013 Career Center Annual Report

The Liberal Arts and International Studies Department Report for 2012-2013 includes the following:

- Summary Data for Master's Program - International Political Economy of Resources (MIPER)
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Master of International Political Economy of Resources Summary Data

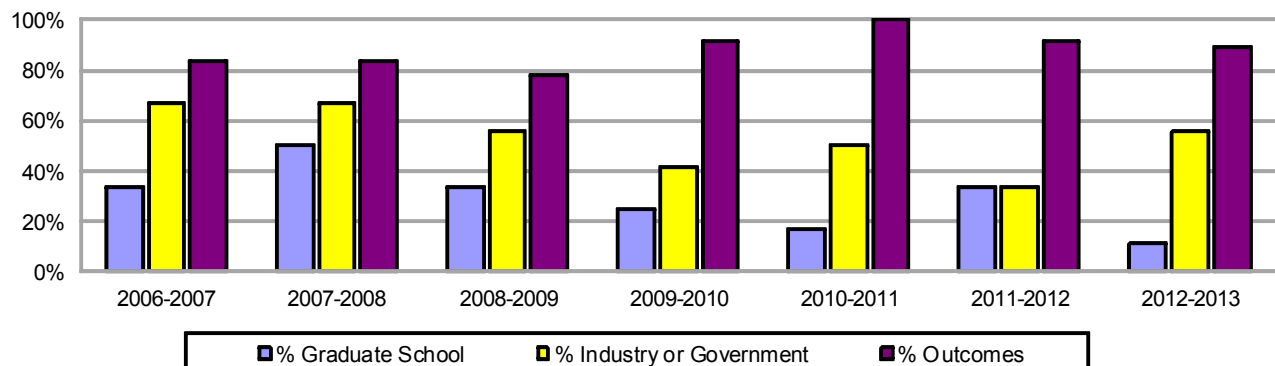
	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
MIPER	9	4	2	0	1	1	0	89%	1	NA

## Outcomes Detail

Detailed Break-down	Positions Accepted—Industry/Government Summary			Graduate School	
	Consulting	Gov't	Telecomm	CSM	Other
MIPER	3	2	1	0	1

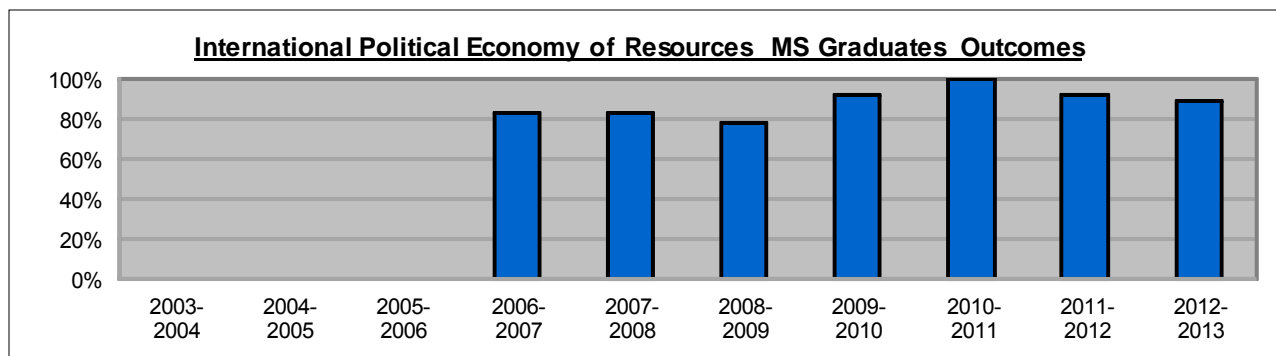
## Post-Graduation Career Activity

Note: Each bar represents % of total graduates in the department

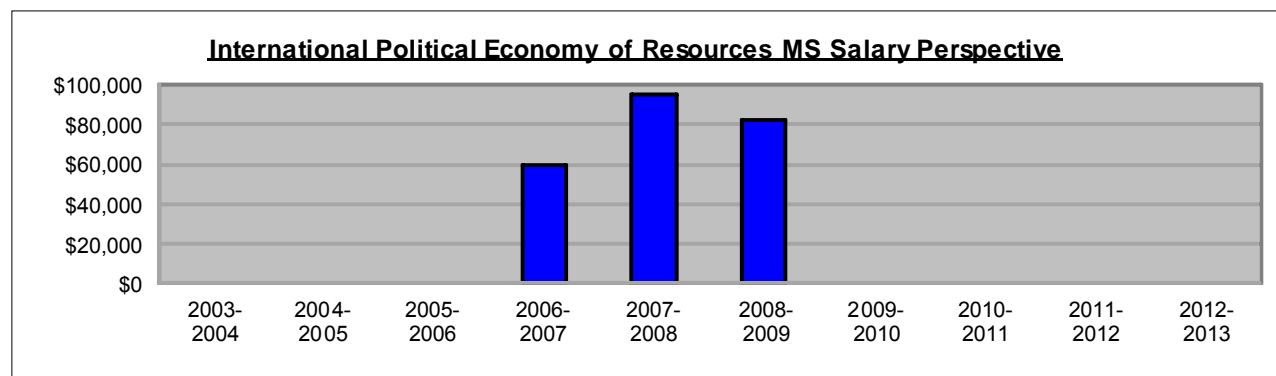


### **International Political Economy of Resources Graduate Outcomes Perspective**

The International Political Economy of Resources (MIPER) degree is a Master's program only.



### **International Political Economy of Resources Graduate Salary Perspective**



Insufficient data has been reported to offer a recent salary perspective.

### **Internships for LAIS Department Students**

The 2012- 2013 graduates in this department reported completing internships at the following organizations during their attendance at Colorado School of Mines.

Congressional Research Service	Newmont Mining Corp
National Gypsum Company	SDSG

Other internship opportunities for this department appeared in DiggerNet during the 2012-2013 academic year, including:

AAA Northern CA, NV, UT Insurance	Institute for Humane Studies
BCS	National Renewable Energy Laboratory
Boeing	Northrop Grumman
Colorado House of Representatives	Novinda
Colorado Oil & Gas Conservation Commission	World Wildlife Fund
ESRI	Xcel Energy

# Mining Engineering Department Report

2012 - 2013 Career Center Annual Report

The Mining Engineering Department Report for 2012-2013 includes the following information:

- Summary Data for Mining Engineering and Mining & Earth Systems
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Mining Department Summary Data

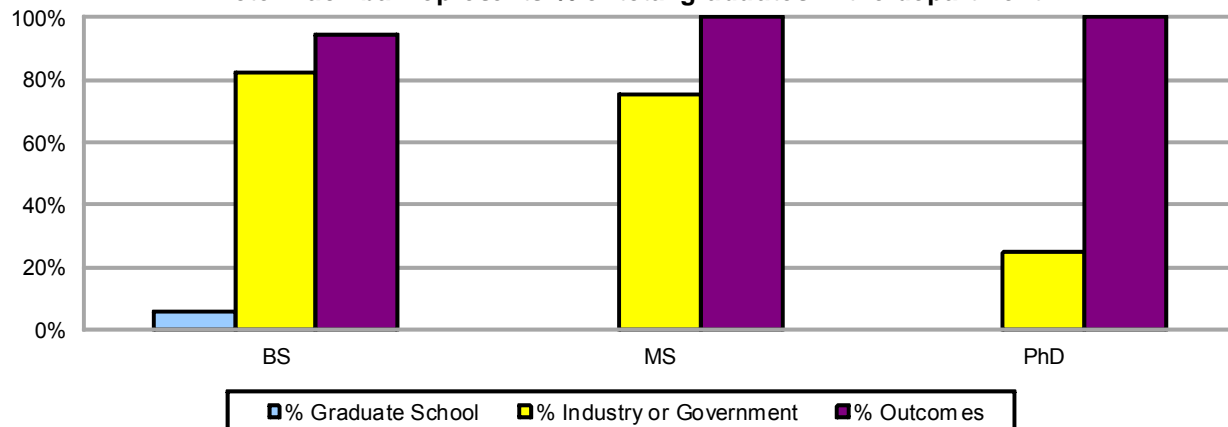
	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS	17	14	0	1	1	0	0	94%	1	\$65,956
MS	12	9	0	0	0	3	0	100%	0	\$71,500
PhD	4	1	0	0	0	2	1	100%	0	N/A

## Outcomes Detail

Detailed Breakdown	Positions Accepted— Industry/Government Summary				Graduate School	
	Mining	Consulting	Oil/Gas	Mfg	CSM	Other
BS	12	2	0	0	1	6
MS	4	3	1	1	0	0
PhD	1	0	0	0	0	0

## Post-Graduation Career Activity

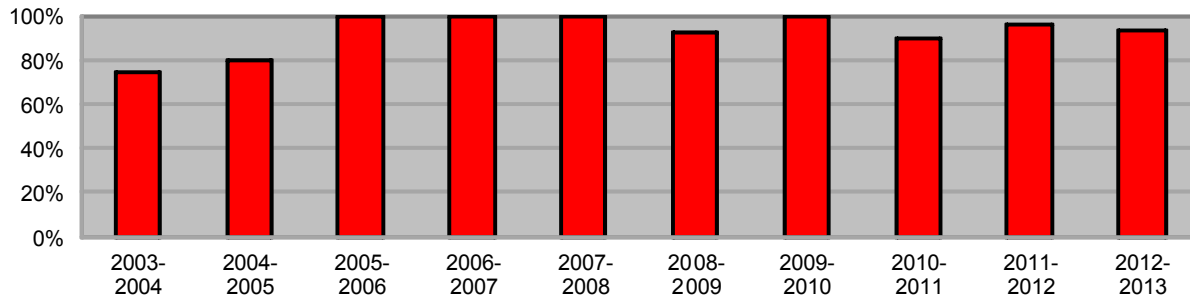
Note: Each bar represents % of total graduates in the department



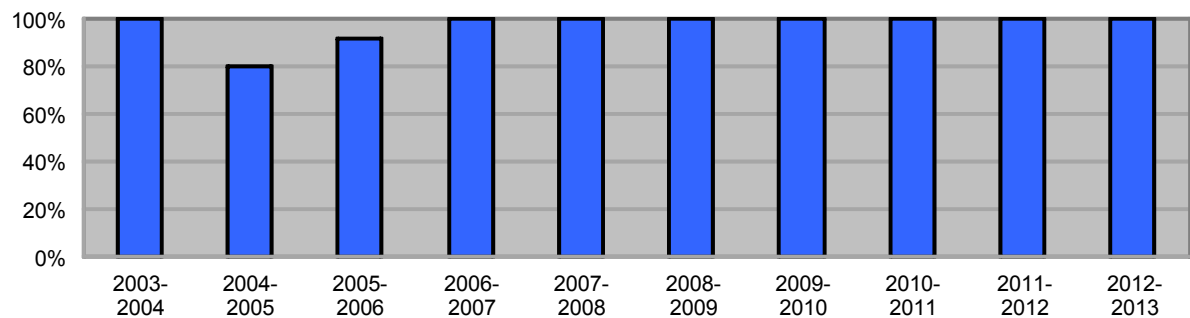
## **Mining Engineering Department Outcomes and Salary\* Perspective**

\* There is not enough historical salary data to be reliable for MS or PhD graduates; therefore graphs are not provided.

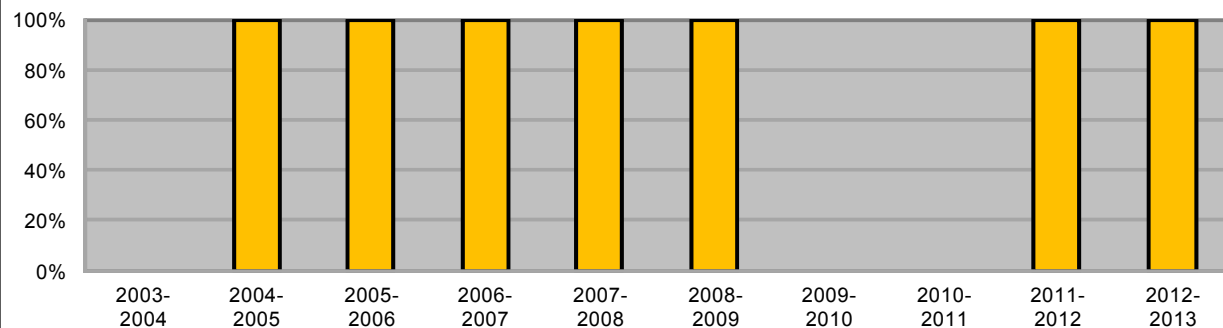
### **Mining BS Graduates 10-year Outcomes Perspective**



### **Mining MS Graduates 10-year Outcomes Perspective**



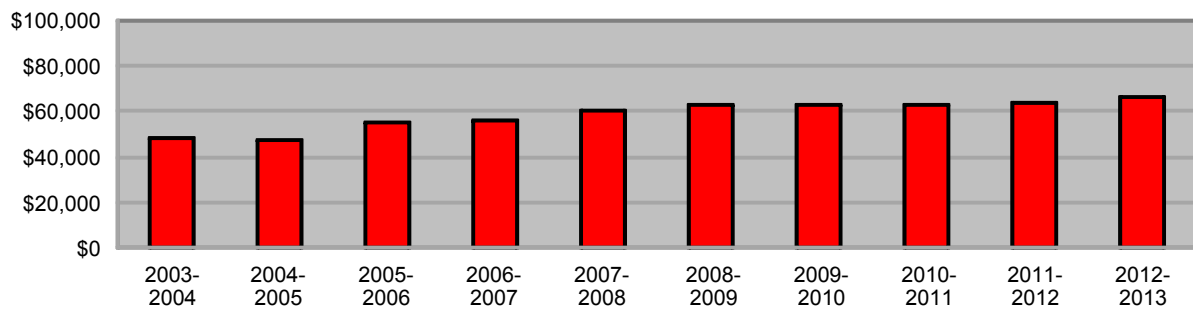
### **Mining PhD Graduates 10-year Outcomes Perspective**



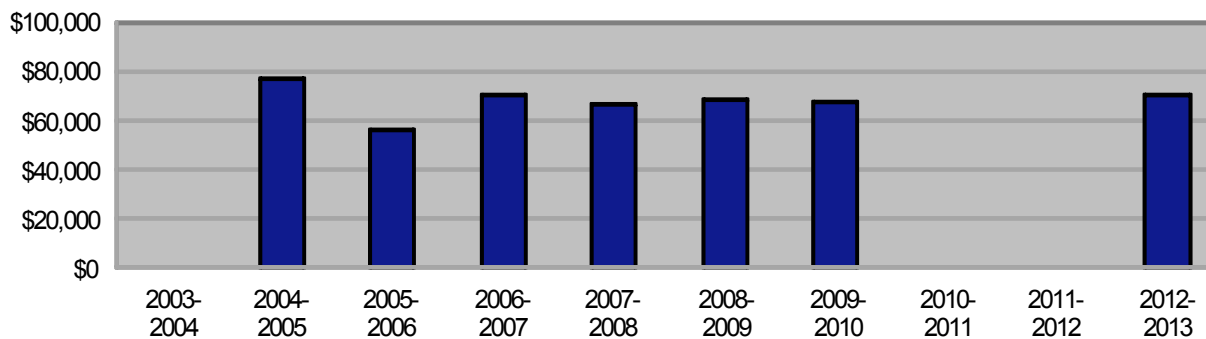
## **Mining Engineering Department Outcomes and Salary\* Perspective**

\* There is not enough historical salary data to be reliable for PhD graduates; therefore graph is not provided.

**Mining BS Graduates 10-year Salary Perspective**



**Mining MS Graduates 10-year Salary Perspective**



### Internships for Mining Engineering Division Students

The 2012-2013 Mining Engineering graduates reported completing internships at the following organizations during their attendance at Colorado School of Mines.

Anglo Gold	Lehigh Hanson
Arch Coal	Merrick and Company
Baja Mining	Mining and Environmental Services
Barnard Construction	Newmont
Barrick	Pincock Allen and Holt
Cameco	Resource Capital Funds LLP
Cliffs Natural Resources	Rift Exploration
Detour Gold	Stantec Mining International
Energy Fuels Resources/Denison Mines	UC&T - Mines
Imerys	Walter Energy
Kiewit Mining	World Minerals

Other internship opportunities for this department appeared in DiggerNet during the 2012-2013 academic year, including:

Air Sciences	Intrepid Potash
ACCCE	Magnetation
Arcadis	Martin Marietta Materials
Baker Hughes	Merco
BGC Engineering	Mithril Capital Management
BHP Billiton	NIST
CH2M Hill	PacifiCorp
ConocoPhillips	Pioneer Natural Resources
ConverDyn	Rio Tinto
ENRC Africa	SAK Construction
ExxonMobil	Schlumberger
Halliburton	U.S. Geologic Survey
Hecla Mining	Westmoreland Coal

# Petroleum Engineering Department Report

2012 - 2013 Career Center Annual Report

The Petroleum Engineering Department Report for 2012-2013 includes the following information:

- Summary Data
- Post Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average

## Petroleum Engineering Summary Data

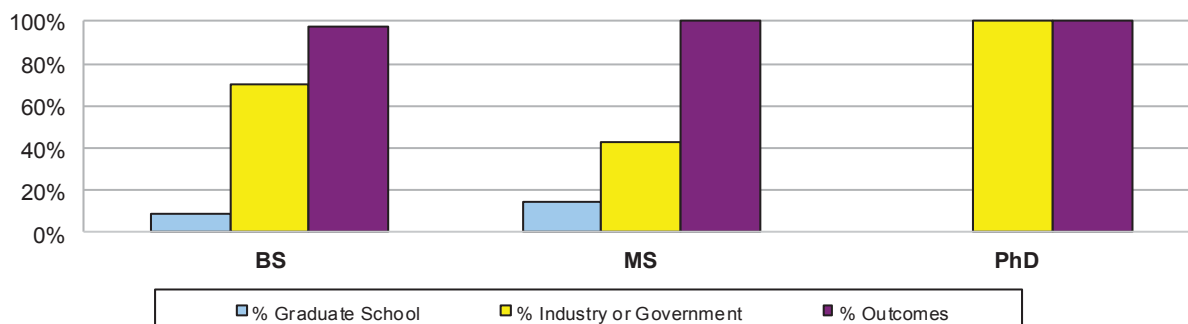
	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
BS	128	91	0	0	12	22	1	98%	2	\$83,309
MS	21	9	0	0	3	9	0	100%	0	\$98,855
PhD	3	2	1	0	0	0	0	100%	0	N/A

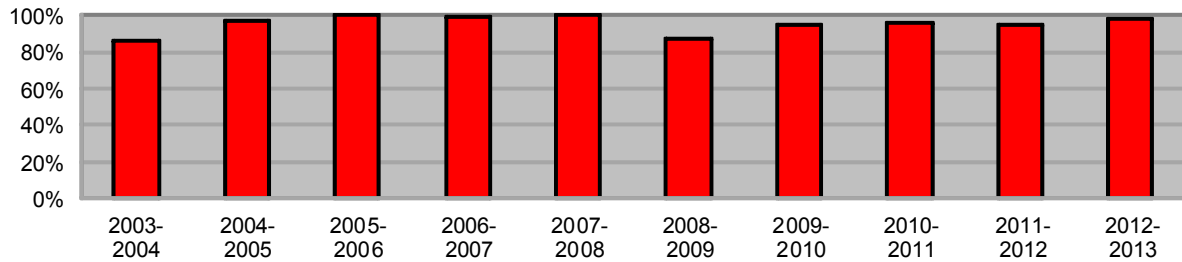
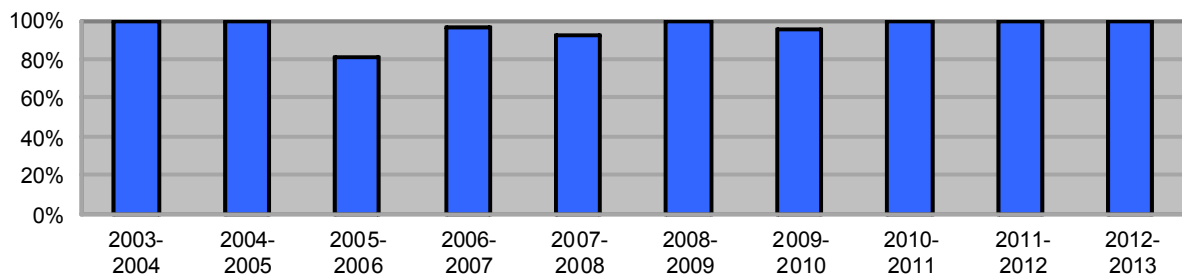
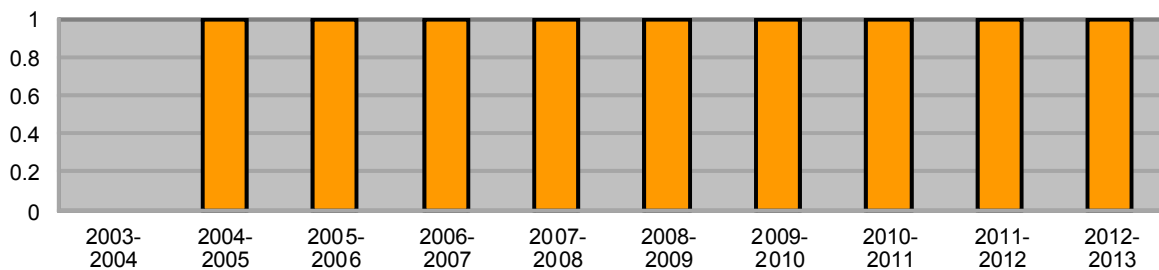
## Outcomes Detail

Detailed Break-down	Positions Accepted—Industry/Government Summary				Graduate School	
	Oil /Gas	Business Consulting	Other	Government	CSM	Other
BS	88	3	0	0	11	1
MS	9	0	0	0	3	0
PhD	2	0	0	1	0	0

## Post-Graduation Career Activity

Note: Each bar represents % of total graduates in the department



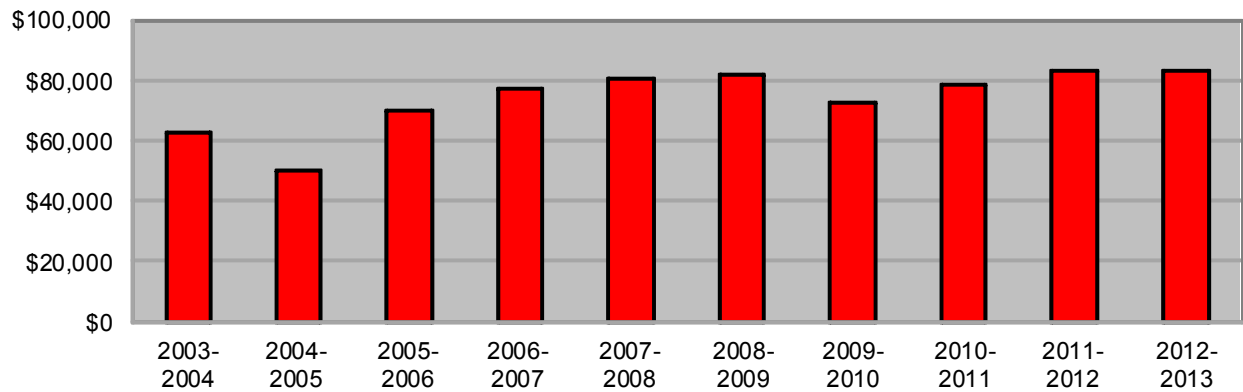
**Petroleum Engineering Department Outcomes Perspective****Petroleum BS Graduates 10-year Outcomes Perspective****Petroleum MS Graduates 10-year Outcomes Perspective****Petroleum PhD Graduates 10-year Outcomes Perspective**



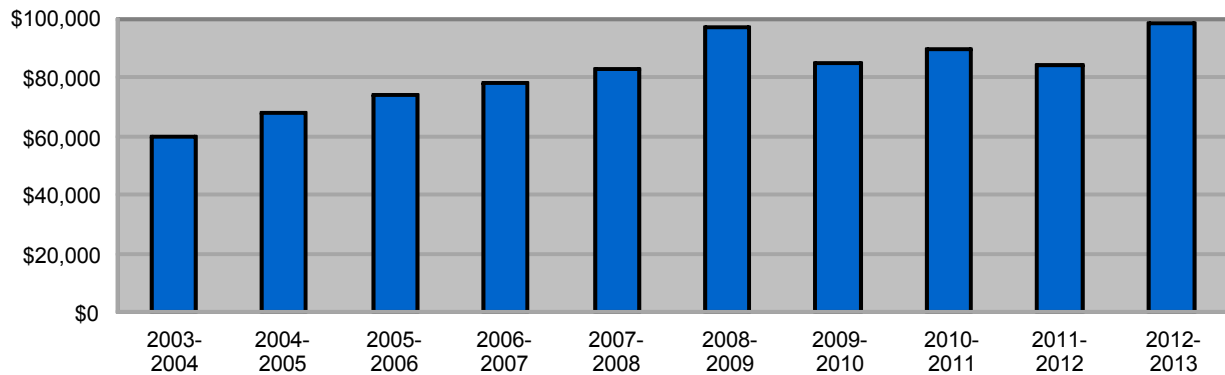
### **Petroleum Engineering Department Salary Perspective \***

\* There is not enough historical salary data to be reliable for PhD candidates, therefore a graph is not provided.

#### **Petroleum Engineering BS Graduates 10-year Salary Perspective**



#### **Petroleum Engineering MS Graduates 10-year Salary Perspective**



## Internships for Petroleum Engineering Students

The 2012-2013 graduates in this department reported completing internships at the following organizations while at CSM.

Admiral Bay	EP Energy	Peterson Energy Management
Aexco Petroleum	EQT Corp.	Petrobras America
AKS Technologies	Exmar	Petronas
Anadarko Petroleum	ExxonMobil	Pioneer Natural Resources
Analytical Systems Incorporated	Family Tree Oil & Gas	PXP
Antero Resources	Forest Oil	QEP Resources
Apache Corporation	Foundation Energy	Quantum Resources
Austex Exploration	Freese & Nichols	Resolute
Austin Exploration	Freudenberg Oil & Gas	Rice Energy
Baker Hughes	Halliburton	Richardson Operating
BHP Billiton	Heckmann Water Resources	Rompotrol Group
BOPCO	Helmerich & Payne	Royal Plastics Eng
BP	HPI	Samson Resources
Bureau of Land Management (WY)	Hudspeth and Associates	Sandridge Energy
Calfrac Well Services	IHS	Schlumberger
CDOT	J P Kenny	SM Energy
Chesapeake Energy	Kashagan B.V.	Southwestern Energy
Chevron North America	KazMunaiGas	Summit Energy Services
Cimarex	LLOG Exploration	Swire Oil Field Services
Ciris Energy	Marathon Oil	Tema Oil and Gas
COGCC	Maverick Stimulation	Tengizchevroil
ConocoPhillips	Mt. Dora Energy	ThyssenKrupp-Uhde
Crescent Point Energy	Murex Petroleum	Ultra Resources
Crystal River Oil and Gas	Mustang Engineering	USGS
Cudd Energy Services	Netherland Sewall & Associates	Venoco
Denbury Resources	Newfield Exploration	Ward Petroleum
Devon Energy	Newpark Drilling Fluids	WA County Public Works
El Paso E&P	Noble Energy	Weatherford
Encana	Oasis Petroleum	Whiting Oil & Gas
Enerplus Resources	Occidental Oil & Gas (OXY)	WPX Energy
Ensign Drilling	Pason Systems	XTO Energy

Other internship opportunities for this department appeared in DiggerNet during the 2012-2013 academic year, including:

Aera Energy	ORISE
Air Sciences	Plains Exploration & Production
Arcadis	Rosetta Resources
CH2M HILL	Sakakawea Ventures
EOG Resources	Statoil
Gas Compressor Consultants	Swan Energy
Marquis Alliance Energy	Victaulic
Meritage Midstream	Zavanna

This chapter of the Colorado School of Mines Career Center Annual Report includes outcome details for those majors that are interdisciplinary in nature, combining input from several departments within Colorado School of Mines. The graduates receive the a Master of Science or Doctor of Philosophy degree from within one of a variety of academic departments.

This chapter contains information for the following graduate level academic programs:

Hydrologic Science & Engineering

Materials Science

Nuclear Science & Engineering



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# Hydrologic Science and Engineering Department Report

2012 - 2013 Career Center Annual Report

The Hydrologic Science & Engineering Department Report for 2012-2013 includes the following:

- Summary Data
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Offers

## Hydrologic Science and Engineering Summary Data

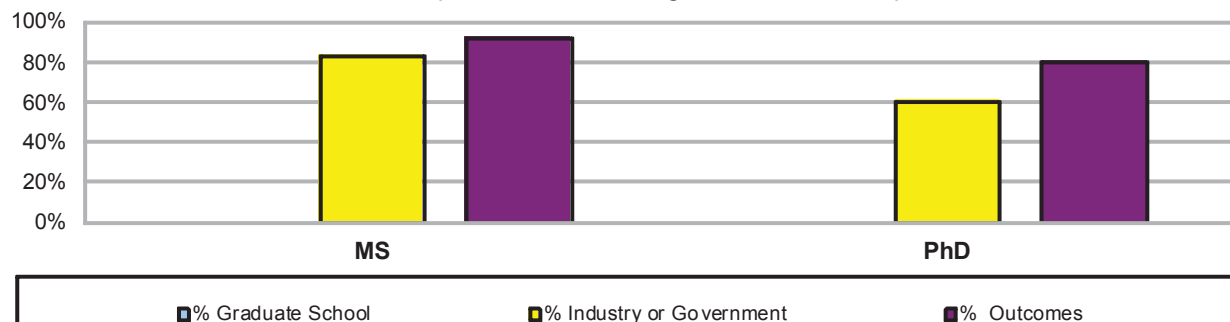
	# Grads	Ind	Gov't	Mil	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
MS - HY	13	10	1	0	0	1	0	92%	1	\$58,572
PhD - HY	5	1	2	0	0	0	1	80%	1	\$61,333

## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary						Graduate School	
	Consulting	Gov't	Mining	Oil/Gas	Academia/ Research	Other	Mines	Other
MS - HY	6	0	1	3	1	0	0	0
PhD - HY	1	0	0	0	2	0	0	0

## Post-Graduation Career Activity

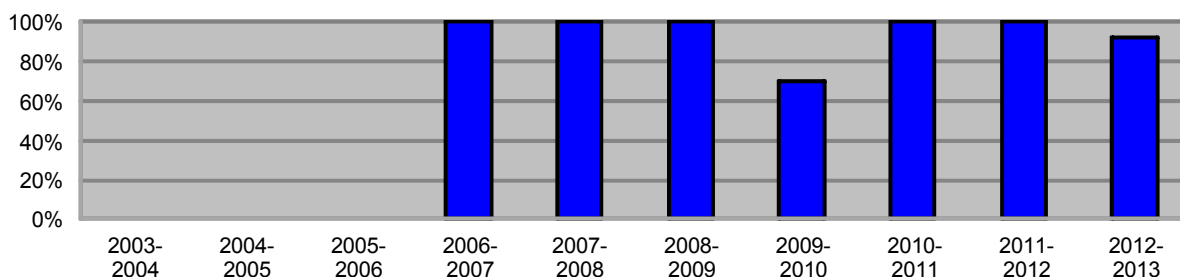
Note: Each bar represents % of total graduates in the department



### **Hydrologic Science and Engineering Graduate Outcomes Perspective**

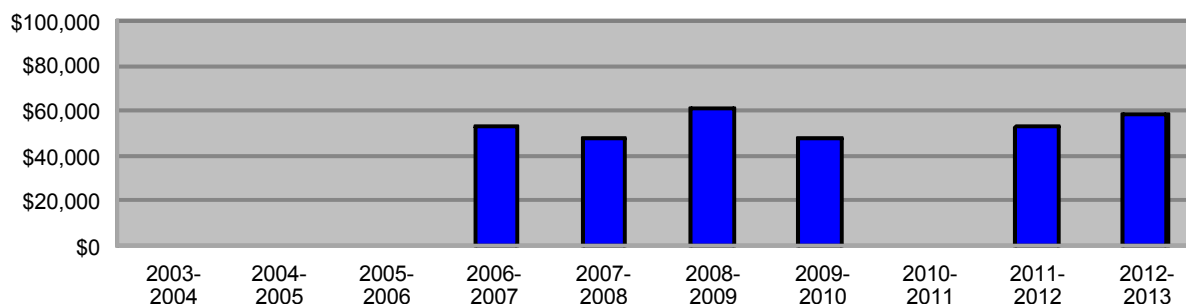
\* There is not enough historical salary data to be reliable for PhD candidates, therefore graphs are not provided.

#### **Hydrologic Science and Engineering MS Graduates Outcomes Perspective**



### **Hydrologic Science and Engineering Graduate Salary Perspective**

#### **Hydrologic Science and Engineering MS Graduates Salary Perspective**



### **Internships for Hydrologic Science & Engineering Students**

The 2012-2013 graduates in this department reported completing internships at the following organizations while at CSM.

Ausenco	Essential Mgmt Solutions	Krescent Energy
Berry Petroleum Company	Geomega	UC&T
City and County of Denver	Golder Associates	USGS
CEE - Mines	Ground Eng Consultants	Weaver Boos Consultants

Other internship opportunities in DiggerNet during the 2012-2013 academic year for this major included:

ARCADIS	National Renewable Energy Lab
Argonne National Laboratory	Pacific Northwest National Laboratory
BCS Incorporated	Pioneer Natural Resources
Bishop-Brogden Associates	Sandia National Laboratory
Grand Teton National Park	Tallgrass Energy
Idaho National Laboratory	University Corp. Atmospheric Research (UCAR)
Leppert Associates	USDA Forest Service

# Materials Science Interdisciplinary Degree

2012 - 2012 Career Center Annual Report

The Materials Science Report for 2012-2013 includes the following::

- Summary Data
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Salary

## Materials Science Summary Data

	# Grads	Industry	Gov't.	Military	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
MS - ML	8	1	1	0	5	1	0	100%	0	N/A
PhD - ML	16	5	8	0	0	3	0	100%	0	\$65,833

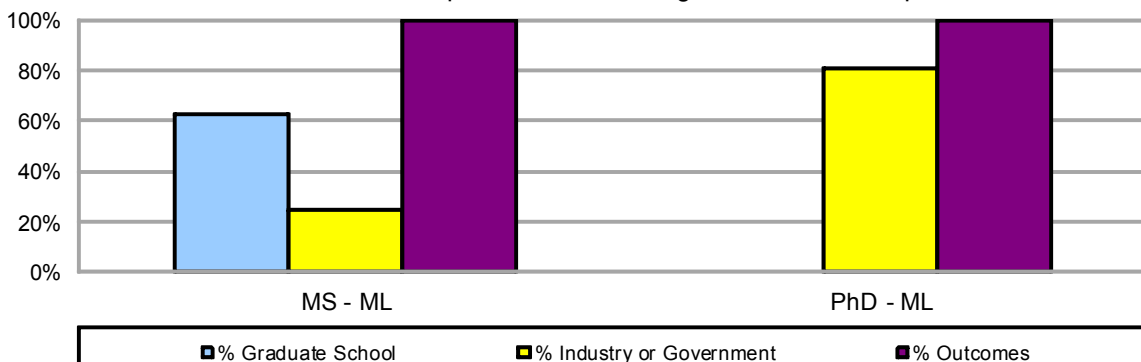
Degrees offered are a Master of Science and a Doctor of Philosophy; a minor is offered at the undergraduate level.

## Outcomes Detail

Detailed Break-down	Positions Accepted—Industry/Government Summary								Graduate School	
	Aerospace	Consulting	Renewable Energy	IT / Electronics	Gov't. / Military	Research	Business / Finance	Other	CSM	Other
MS - ML	1	0	0	0	1	0	0	0	4	1
PhD - ML	1	1	3	1	0	6	0	1	0	0

## Post-Graduation Career Activity

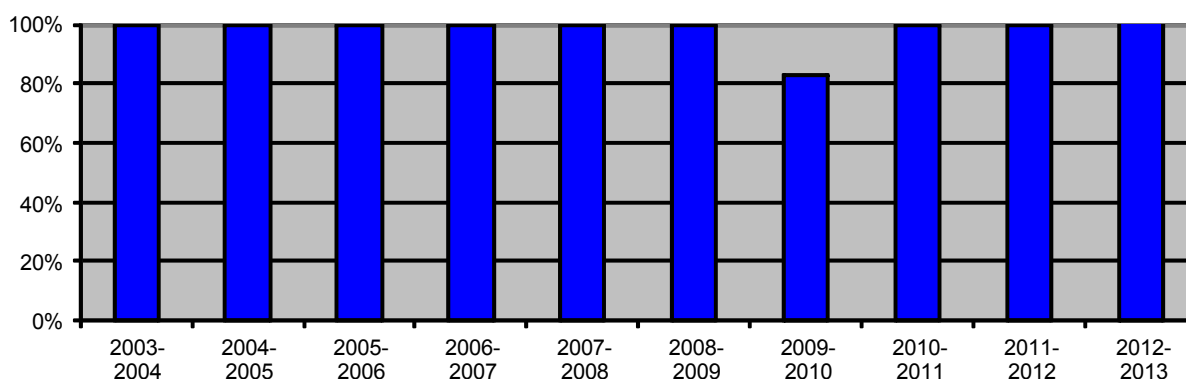
Note: Each bar represents % of total graduates in the department



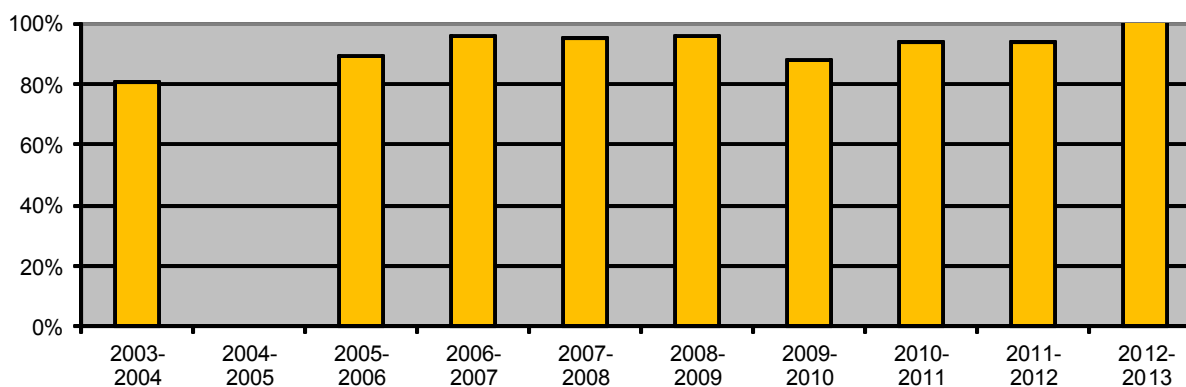
## **Materials Science Graduate Outcomes and Salary Perspective**

\* There is not enough historical salary data to be reliable for PhD candidates; no graphs provided.

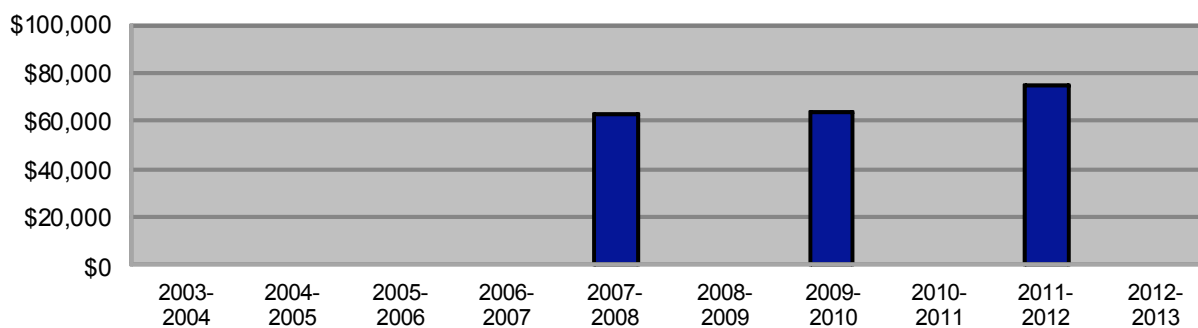
### **Materials Science MS Graduates 10-year Outcomes Perspective**



### **Materials Science PhD Graduates 10-year Outcomes Perspective**



### **Materials Science MS Graduates 10-year Salary Perspective**





### **Internships for Materials Science Students**

The 2012-2013 graduates in this department reported completing internships at the following organizations

Los Alamos National Laboratory	National Institute of Standards / Technology
Micron	National Renewable Energy Laboratory

Other internship opportunities in DiggerNet during the 2012-2013 academic year for this major included:

Altius Space machines	Medtronic
ArcelorMittal	NASA
Argonne Natinal Labs	Northrop Grumman
Boeing Company	Nuclear Energy Institute
Escape Dynamics	Oak Ridge Institute
Gulfstream Aerospace	P&G (Procter & Gamble)
Honda	Ricoh
Honeywell	Sandia National Laboratories
Idaho National Laboratory	Sandoz
Innotech Energy	Severstal
Lexmark International	Sinton Instruments
Logan Aluminum	Timken
Martin Marietta Materials	UNAVCO



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# Nuclear Science and Engineering Interdisciplinary Degree Report

2012 - 2012 Career Center Annual Report

The Nuclear Engineering Report for 2012-2013 includes the following::

- Summary Data
- Post-Graduation Career Activity
- Outcomes Perspective
- Salary Perspective / Average Salary

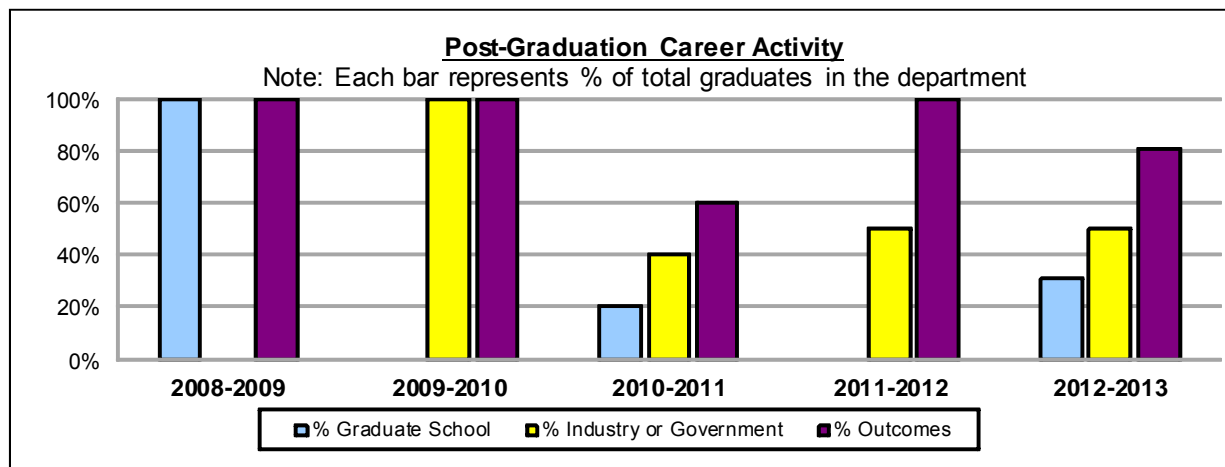
## Nuclear Science and Engineering Summary Data

	# Grads	Industry	Gov't.	Military	Grad Sch	Intern'l	Not Looking	Out-comes %	Seeking	Average Salary Offer
MS - NU	15	4	3	0	5	0	0	80%	3	\$70,380
PhD - NU	1	0	1	0	0	0	0	100%	0	N/A

Degrees offered are a Master of Science and a Doctor of Philosophy; a minor is offered at the undergraduate level.

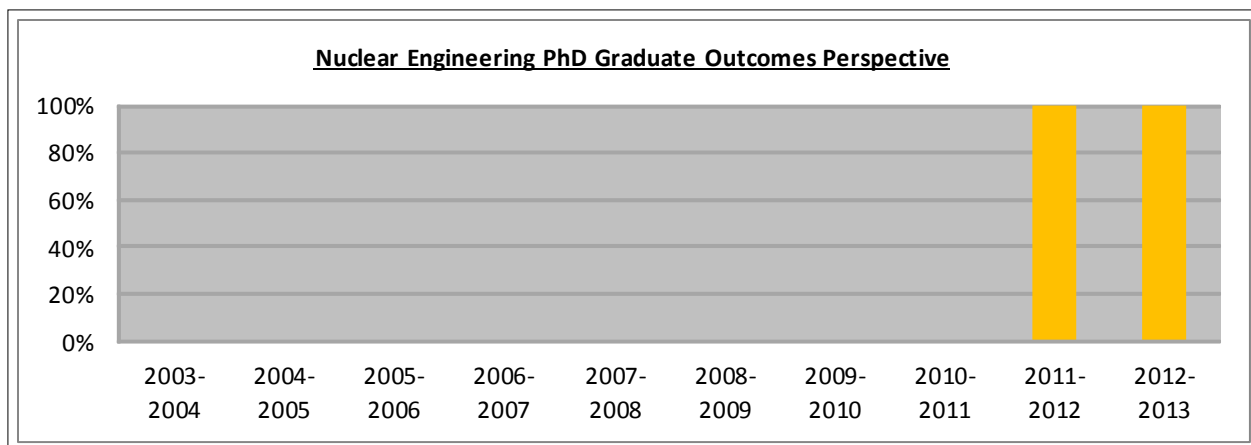
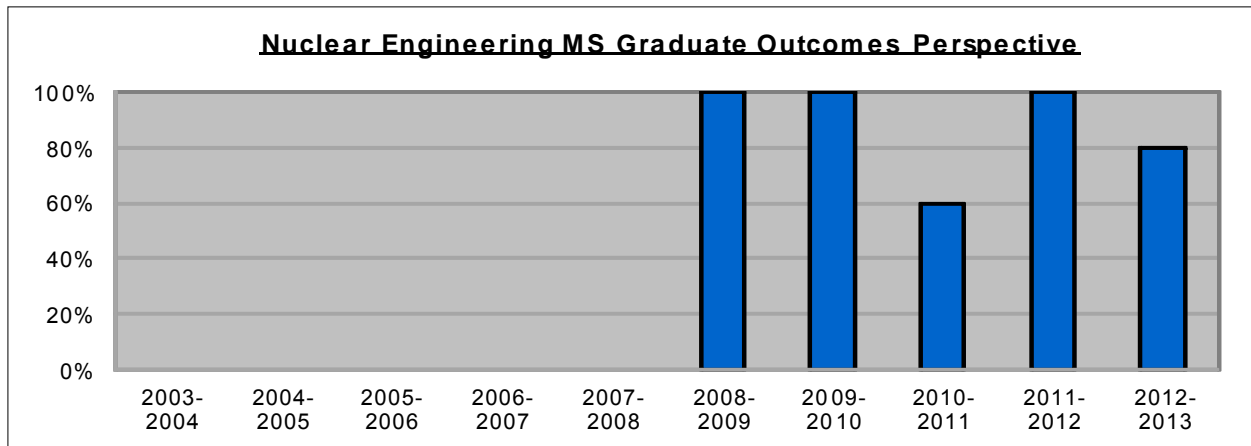
## Outcomes Detail

Detailed Breakdown	Positions Accepted—Industry/Government Summary					Graduate School	
	Energy Industry	IT / Electronics	Gov't. / Military	Research	Business / Finance	CSM	Other
MS - NU	2	1	1	2	1	0	5
PhD - NU	0	0	0	1	0	0	0



### **Nuclear Science and Engineering Graduate Outcomes and Salary Perspective**

The first MS graduates from this program received degrees in Spring 2009; the first PhD degree was awarded Spring 2012. No historic salary information is available at this time.



### **Internships for Nuclear Engineering Students**

The 2012-2013 graduates in this department reported completing internships at the following organizations while at CSM.

Center for Space Nuclear Research	Lawrence Livermore National Lab
EnviraChar	Oak Ridge National Lab
Idaho National Lab	

Other internship opportunities in DiggerNet during the 2012-2013 academic year for this major included:

ARCADIS	Nuclear Energy Institute
Argonne National Laboratory	Pacific Northwest National Laboratory
BCS Incorporated	Sandia National Laboratory
NASA	Space Foundation Headquarters



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