

*\*All percentages are rounded to the nearest full point; therefore, they may not add to 100%.*

## **Class of 2011 - School of Engineering**

A total of 80 School of Engineering graduates were awarded baccalaureate degrees in August 2010, December 2010, and May 2011. 44 (55%) graduates responded to the survey. In an effort to increase the accuracy of our post-graduation activity data, The Career Center gathered information through immediate response surveys from the School of Business, the School of Engineering and the Center for Institutional Effectiveness, as well as data from the Admissions Clearinghouse.

### **POST GRADUATION ACTIVITY**

#### **Further Study**

A total of 20 (45%) of those who *responded* indicated that they attended graduate school immediately after graduation.

#### **Employment**

42 (95%) respondents indicated they were either working *and/or* attending graduate school in the first year after graduation.

A total of 37 (84%) graduates indicated they are employed. Their employment status is as follows:

30 (68%) indicated they were employed full time

7 (16%) indicated they were employed part time

11 (25%) indicated they were employed and in graduate school.

5 (11%) indicated they were unemployed, but were attending graduate school.

1 (2%) indicated they were both unemployed and not attending graduate school.

### **Average Salaries**

29 (96%) respondents who were employed full time provided salary information.

All salary information is calculated using the actual salary the respondent provided or the median of the salary range selected by the respondent. Respondents that indicated their salaries fell below \$19,999 or above \$80,000 and did not include a precise amount were excluded from the calculations.

The mean reported salary for the respondents that met the above criteria is \$53,190. This reflects a 1% increase in comparison with the Class of 2010.

### **Fields of Employment**

Students pursue occupations in a variety of career fields. 30 (100%) respondents that answered this item regarding employment fields are employed as follows:

1 (3%) in Arts

1 (3%) in Computers

2 (6%) in Education

26 (87%) in Engineering

1 (3%) in Science

### **Time Span for Securing Employment**

16 (53%) Engineering graduates secured employment prior to graduation.

22 (73%) respondents secured employment within the first three months after graduation.

28 (93%) respondents secured employment within the first six months after graduation.

29 (97%) respondents secured employment within 1 year after graduation.

### **Job Offers**

Of the Engineering graduates employed who responded to this item, 14 (47%) of the 30 respondents employed full time received more than one job offer. The number of employment offers received ranged from 1 to 4, with respondents receiving a mean of 1.63 offers of employment per graduate.

## Satisfaction with Employment

Using a likert scale of 5 high to 1 low, Engineering graduates indicated the level of satisfaction they felt with their positions. 27 (90%) of the respondents employed indicated an above average or high level of job satisfaction. The average satisfaction score for the respondents to this item was 4.26.

## Current Employment's Ability to Meet Expectations

29 (97%) respondents indicated working in the field they expected.

26 (87%) respondents indicated working in the position type they expected.

## Relationship between Academic Major and Position Obtained

Engineering graduates indicated the relationship between their academic major and the position they obtained since graduation. Of the 38 (86%) respondents to the Career Center survey:

31 (81%) respondents indicated a direct relationship between their academic major and the position they obtained.

5 (13%) respondents indicated an indirect relationship between their academic major and the position they obtained.

2 (5%) respondents indicated there was no relationship between their academic major and the position they obtained.

## Internship Participation

35 (89%) of Engineering majors who responded to the Career Center survey indicated they participated in an average of 1.77 internship experiences over an average of 2.29 semesters.

## Usage of Career Services

37 (84%) respondents to the Career Center survey indicated they had utilized The Career Center during their academic careers. Using a likert scale of 5 high to 1 low, graduates who utilized The Career Center were asked to rate the service provided. The average rating was 3.57.

37 (94%) respondents reported utilizing TCNJ recruitment programs (i.e., internship programs and resources, job listings, on-campus recruitment and Career Days).

## Receipt of Advice from Faculty

When asked if they had received advice from faculty in their department or program, 32 (82%) respondents indicated they had.

26 (66%) indicated they had received advice regarding post graduation career plans.

14 (36%) indicated they had received advice regarding internships.

23 (59%) indicated they had received advice regarding graduate and professional school.

39 (100%) indicated they had either received career advice from their faculty or had used Career Services.

## TCNJ's Preparation for Students' Career Goals

Engineering graduates rated how TCNJ prepared them for their current position utilizing a five-point scale (i.e., excellent to poor). Of the 39 (88%) respondents, 32 (82%) rated their preparation as excellent or above average. The average rating was 4.40.

16 (41%) excellent

6 (15%) average

0 (0%) poor

16 (41%) above average

1 (32%) below average

## Quality of Academic Experience

Engineering graduates assessed the overall quality of their academic experience. Of the 39 (89%) respondents, 36 (92%) assessed their academic experience as excellent or above average. The average rating was 4.41.

19 (49%) excellent

3 (8%) average

0 (0%) poor

17 (44%) above average

0 (0%) below average

# GRADUATE/PROFESSIONAL SCHOOL

## **Current Graduate/Professional School Attendance**

24 (55%) of respondents indicated that they applied for graduate/professional school in the first year after graduation. Of those who applied 20 (83%) enrolled in further study.

## **Future Plans for Graduate Study**

32 (73%) of Engineering graduates who indicated they are or plan to further study. 23 (72%) of the respondents who intend to pursue further study indicated the timing of their future attendance:

12 (52%) respondents plan to attend within the first 2 years after graduation.

20 (87%) respondents plan to attend within 4 years after graduation.

23 (100%) respondents plan to attend within 6 years after graduation.

## **Current Degrees and Highest Degree Level Sought**

14 (70%) of those currently attending responded to the degree level they are pursuing. In addition, 39 (89%) respondents provided information on the highest degree level they intended to pursue. Of those intending to pursue advanced degrees:

Degree Level	Currently Pursuing		Highest Degree Planned	
Bachelors	0	0%	27	61%
Certificate	0	0%	0	0%
Masters	11	79%	5	11%
Specialist	0	0%	0	0%
Doctorate	0	0%	3	7%
Professional	3	21%	4	9%

*\* Percentage reflects percent of those who responded to this item.*

Appendix B

# Employment Report

by

Major, Department & School

Job Titles & Employers - School of Engineering  
Class of 2011

<b>Major Field of Study</b>	<b>Full Time Job Title</b>	<b>Full Time Employer</b>
Biomedical Engineering	Research Assistant	Department of Bioengineering, University of Utah
Biomedical Engineering	Engineering Consultant	GE
Biomedical Engineering	Engineer	Linear Photonics
Biomedical Engineering	Medical Writer & Project	Rasmussen Biotech and Pharma
Civil Engineering	Research Assistant	University of Nevada, Reno
Civil Engineering	Junior Engineer	Greenman-Pedersen Inc.
Civil Engineering	Project Engineer	AE Polysilicon Corp.
Civil Engineering	Civil Engineer Trainee	Board of Public Utilities
Civil Engineering	Design Engineer	JMT
Civil Engineering	Geotechnical Engineer	Whitestone Associates
Civil Engineering	Staff Engineer	Moretrench American Corp.
Civil Engineering	Field Engineer	Weeks Marine Inc.
Civil Engineering	Project Engineer	The Earle Companies
Electrical Engineering	Electrical Design Engineer	Ballinger
Electrical Engineering	Research Assisstant	Princeton University
Electrical Engineering	Electrical/Automation Engr.	Not Listed
Electrical Engineering	Electrical Engineer	Picatinny Arsenal
Electrical Engineering	Electrical Engineer	NAVAIR
Electrical Engineering	Engineer - 1	Pepco Holdings inc.
Electrical Engineering	Design Electrical Engineer	PSEG Nuclear
Engineering Management	Senior Programmer	Accenture
Mechanical Engineering	Product Engineer	EaglePicher Technology
Mechanical Engineering	Mechanical Engineer	McKean Defense Group
Mechanical Engineering	Account Dev. Engineer	Panasonic Electric Works Corp. of America
Mechanical Engineering	Skim Turbine Service	Siemens
Mechanical Engineering	Project Engineer	Sigma-netics Inc.
Mechanical Engineering	Program Engineer	BASF
Mechanical Engineering	Mechanical Design	AKF Group LLC

Appendix C

**Graduate School  
Report**

by

Major, Department & School

## Graduate Schools and Programs of Study - School of Engineering Class of 2011

Major Field of Study	Program of Study	Current Graduate School
Biomedical Engineering	Engineering	Cornell University
Biomedical Engineering	Engineering	Cornell University
Biomedical Engineering		NJIT
Biomedical Engineering		Syracuse University
Biomedical Engineering	Medicine	UMDNJ - School of Osteopathic
Biomedical Engineering	Education	University of Utah
Biomedical Engineering	Engineering	NJIT
Biomedical Engineering	Medicine	Einstein Medical School
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Civil Engineering	Engineering	Villanova University
Civil Engineering	Engineering	University of Nevada, Reno
Civil Engineering	Business	Monmouth University
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Electrical Engineering	Engineering	Princeton University
Electrical Engineering	Engineering	Drexel University
Electrical Engineering	Engineering	Drexel University
Electrical Engineering	6	Drexel University
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Mechanical Engineering		Drexel
Mechanical Engineering		Rutgers University - New Brunswick
Mechanical Engineering		Rutgers University - New Brunswick
Mechanical Engineering	Engineering	University of Michigan
Mechanical Engineering		Virginia Tech
Mechanical Engineering	Engineering	The University of Notre Dame
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Technology Education		The College of New Jersey
Technology Education	Health Related (non	UMDNJ

Appendix A

# Salary Report

by

Major, Department & School



Salaries - School of Engineering  
Class of 2011

<u>Major Field of Study</u>	<u>Average Salarie</u>
Biomedical Engineering	\$46,250
Civil Engineering	\$51,944
Electrical Engineering	\$55,000
Engineering Management	\$67,500
Mechanical Engineering	\$60,357
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	\$54,537