

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

Class of 2013 – School of Engineering

A total of 125 School of Engineering students graduated during the academic school year of Fall 2012 – Spring 2013. 83 (66%) responded to the First Year Out Survey distributed by the Career Center and a similar survey distributed by the School of Engineering. The Admissions Clearinghouse further identified 6 School of Engineering graduates that are currently attending graduate or professional school.

Post-Graduation Activity

Employment

Of the 83 respondents, 46 (55%) indicated that they were working. Of those 46, 24 (52%) specified that they were working full-time and 2 specified that they were working part-time.

Fields of Employment

The 24 (29%) full-time graduates specified which fields their careers fell into:

3 (13%) in Business	19 (79%) in Engineering
1 (4%) in Computers	
1 (4%) in Education	

Average Salaries

The 24 graduates who were employed full-time provided their salary information based on a range from “\$19,999 and under” to “\$85,000 and more” with \$5,000 intervals. The average salary for these graduates was \$56,146 which reflects a 0.7% increase with comparison to the Class of 2012.

Number of Job Offers

Of the 24 graduates employed full-time, 15 (63%) received more than one job offer, with an average of 2.60 offers per graduate.

Experiential Learning/Internship Participation

Of the 83 survey respondents, 24 (29%) graduates participated in at least one internship during their time at TCNJ, while 18 of them participated in internships for two or more semesters. Additionally, 3 participated in student teaching, 2 participated in MUSE, 3 participated in TCNJ-sponsored research, and 4 participated in outside research.

Career Preparedness

Of the 83 survey respondents, 26 (31%) graduates rated how prepared they felt for their careers due to their time at TCNJ. Their ratings were based on a 5-point Likert scale (1 = Poor, 5 = Excellent):

<u>Poor</u>	<u>Below Average</u>	<u>Average</u>	<u>Above Average</u>	<u>Excellent</u>	<u>Average Rating</u>
0 (0%)	0 (0%)	12 (46%)	10 (38%)	4 (15%)	3.69

Graduate/Professional School

Of the 83 survey respondents, 17 (20%) graduates indicated that they were currently attending graduate school and the Clearinghouse supplied information on 6 more graduates, resulting in a total of 23 Engineering graduates currently in graduate school.

Future Plans for Study

Of the 83 survey respondents, 14 (17%) graduates indicated that they had plans for beginning graduate school in the next few years:

- 2 (14%) applied and were waiting to decide/hear back.
- 9 (64%) intend to begin graduate school within 2 years.
- 1 (7%) intends to begin graduate school within 4 years.
- 2 (14%) intend to begin graduate school within 6 years.

Degrees Being Sought

Of the 83 survey respondents, 30 (35%) graduates indicated that they were planning on (if not actively) pursuing further degrees in the future:

- 2 (7%) are/will be seeking Bachelor’s Degrees.
- 16 (53%) are/will be seeking Master’s Degrees.
- 3 (10%) are/will be seeking professional degrees.
- 9 (30%) are/will be seeking Doctoral Degrees.

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Graduate/Professional School Preparedness

Of the 17 survey respondents, 10 (59%) graduates rated how prepared they felt for graduate school due to their time at TCNJ. Their ratings were based on a 5-point Likert scale (1 = Poor, 5 = Excellent):

<u>Poor</u> 0 (0%)	<u>Below Average</u> 0 (0%)	<u>Average</u> 2 (20%)	<u>Above Average</u> 6 (60%)	<u>Excellent</u> 2 (20%)	<u>Average Rating</u> 4.00
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Student Satisfaction

Receipt of Faculty Advice

Of the 83 survey respondents, 37 (43%) graduates indicated that they had received some sort of advisement from their faculty advisor regarding their post-graduation plans:

- 33 (89%) reported receiving career advice.
- 34 (92%) reported receiving internship/experiential learning advice.
- 32 (86%) reported receiving graduate/professional school advice.

Usage of Career Center

Of the 83 survey respondents, 37 (45%) indicated that they had utilized one or more of the Career Center's programs and/or services.

Of those 37 respondents:

- 36 (97%) reported attending Job Fairs/Career Days.
- 35 (95%) reported utilizing Career Resources.
- 14 (38%) reported attending "Exploring Major and Careers" Workshops.
- 35 (95%) reported using Internship Recruitment and Resources.
- 33 (89%) reported using LionsLink/Job Listings.
- 21 (57%) reported attending On Campus Interviews.
- 29 (78%) reported using Resume Critiques.
- 14 (38%) reported attending Dining Out in Professional Style.
- 24 (65%) reported attending workshops/class presentations.
- 10 (27%) reported attending Mock Interviews.
- 13 (35%) reported utilizing Graduate and Professional School Programs.
- 29 (78%) reported receiving Individual Major/Career Counseling.

Satisfaction with Academic Experience

35 (42%) graduates rated their satisfaction with their academic experience at TCNJ based on a 5-point Likert scale (1 = Poor, 5 = Excellent):

<u>Poor</u> 0 (0%)	<u>Below Average</u> 0 (0%)	<u>Average</u> 8 (23%)	<u>Above Average</u> 18 (51%)	<u>Excellent</u> 9 (26%)	<u>Average Rating</u> 4.03
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**Salaries – School of Engineering
Class of 2013**

<u>Major Field of Study</u>	<u>Average Salary</u>
Biomedical Engineering	\$61,250
Civil Engineering	\$48,928
Computer Engineering	\$60,000
Engineering Science Management	\$47,500
Mechanical Engineering	\$61,071
Technical Education	\$57,500

Mean – \$56,146

Job Titles & Employers - School of Engineering Class of 2013

<u>Major Field of Study</u>	<u>Full Time Job Titles</u>	<u>Full Time Employer</u>
Biomedical Engineering	Software Developer-Engineer 1	Abbott Point Care
Biomedical Engineering	Associate Product Manager	Fuji Film Medical Systems
Biomedical Engineering	Biomedical Engineer	Burpee Materials Technology, LLC
Biomedical Engineering	Validation Specialist	Catalent Pharma Solutions
Biomedical Engineering	Engineering/Quality Analyst	Ethicon/ Johnson & Johnson
Biomedical Engineering	Lifeguard	POA of Eagle Ridge
Biomedical Engineering	Sales Engineer	Vanguard Controls
Biomedical Engineering		7
Civil Engineering	Engineering Technician	CME Associates
Civil Engineering	Field Engineer	E.E. Cruz & Co.
Civil Engineering	Geotechnical Field Engineer/ Inspector	Geo-Technology Associates
Civil Engineering	Civil Engineer	Langan Engineering
Civil Engineering	Junior Designer	MG Engineering
Civil Engineering	Assistant Engineer	Monmouth County
Civil Engineering	Environmental Engineer	NJ Dep.
Civil Engineering	Project Engineer	Northeast Remsco Construction Co.
Civil Engineering	Assistant Engineer 1	Parsons Brinckerhof
Civil Engineering	Staff Engineer	R3M Engineering
Civil Engineering	Engineer in Training	Stout & Caldwell Engineers
Civil Engineering	Engineer	Tutor Perini
Civil Engineering	Hydraulic Modeler	United Water-SENA
Civil Engineering	Project Engineer	Whiting Turner
Civil Engineering		14
Computer Engineering	Software Development Engineer	Amazon
Computer Engineering	Web Coordinator	Mambo Sprouts Marketing
Computer Engineering	Software Engineer	Moofwd Inc.
Computer Engineering	Software Engineer	ShopSavvy
Computer Engineering	Application Developer	QVC
Computer Engineering		5
Electrical Engineering	Project Engineer	Micro-Coax
Electrical Engineering	Engineer 1	Pepco
Electrical Engineering		2

<u>Major Field of Study</u>	<u>Full Time Job Titles</u>	<u>Full Time Employer</u>
Engineering Management	Tech Sales Engineer	AST Bearings
Engineering Management	Mechanical CAD Engineer	Energy Squared, LLC
Engineering Management		2
Mechanical Engineering	Sr. Specialist Network Planning Engineer	AT&T
Mechanical Engineering	Energy Analyst	Bright Power Inc.
Mechanical Engineering	Consultant	Calpine Corporation
Mechanical Engineering	Production Engineer	Davlyn Industries-Shiseido
Mechanical Engineering	Design Engineer	Health Care Lighting
Mechanical Engineering	Analyst	JP Morgan Chase
Mechanical Engineering	Sales Engineer	Miller & Chitty
Mechanical Engineering	Mechanical Design Engineer	Sikorsky Global Helicopters
Mechanical Engineering	Project Engineer	Terumo Medical Corporation
Mechanical Engineering	Engineer	Tishman Speyer
Mechanical Engineer		10
Technology Education	iSTEM Teacher	Keansburg School District
Technology Education	Technology Engineering Teacher	West Morris Central High School
Technology Education		2

Graduate Schools and Programs of Study

School of Engineering

Class of 2013

Major Field of Study	Program of Study	Current Graduate School
Biomedical Engineering	Biomedical Engineering	Cornell University
Biomedical Engineering	Engineering	Cornell University
Biomedical Engineering	Biomedical Engineering	Johns Hopkins University
Biomedical Engineering		New York Medical College
Biomedical Engineering		New York University
Biomedical Engineering	Biomedical Engineering	NJIT
Biomedical Engineering	Engineering	NJIT
Biomedical Engineering		Penn State –Hersey Park Medical Center
Biomedical Engineering	Biomedical Engineering	RPI
Biomedical Engineering	Biomedical Engineering	Rutgers
Biomedical Engineering	Medical School	Rutgers –NJMS
Biomedical Engineering	Biomedical Engineering	Rutgers –Biomedical
Civil Engineering		Colorado State University
Civil Engineering		Rutgers –New Brunswick
Civil Engineering		Seton Hall University
Civil Engineering	Structural Engineering	University of Delaware
Civil Engineering	Sustainable Systems	University of Michigan
Civil Engineering	Civil Engineering	Virginia Tech
Computer Science	Computer Science/Cognitive Sci.	Rensselaer Polytechnic Institute
Mechanical Engineering		Carnegie Mellon University
Mechanical Engineering	Mechanical Engineering	Drexel University
Mechanical Engineering	Mechanical Engineering	Lehigh University
Mechanical Engineering	Mechanical Engineering	Rutgers University
Mechanical Engineering	Mechanical Engineering	University of Delaware
Mechanical Engineering		Villanova University
Technology Education	Technology Education	California Univer. of Penn.