



TCNJ THE COLLEGE OF
NEW JERSEY

Class of 2016

First Year Out Survey Report

School of Science

Highlights & Engaging in the Possibilities

Our center supports the College's mission by fostering an environment that encourages students' career development through academic, leadership and experiential education. Optimal student collaborations are built and enhanced through meaningful relations with Alumni, employers and representatives of post graduate education. All of our services and events assist in the integrated transformative total student experience and enhance opportunities for mentored internships as well as provide opportunities for students to connect with potential employers, internship supervisors and graduate professional representatives to articulate "their story."

Outcome: #12 Princeton Review [Best Career Services](#) for 2016

Student Contacts

- 12,572 students come in contact with the Career Center (this does not include CE Intern coordination or Student Employment).
- 1,730 students participated in the Career Center for Open Hours (primarily for Resume Review), meeting with trained Peer Educators, Career Counselors or graduate career counseling interns.
- 909 students participated in career counseling appointments. 764 students explore options, skills and values through on-line assessment tools-Focus 2, MBTI or Strong. Satisfaction survey indicates students gain 2 additional resources and the session meets or exceeds expectations.
- Students use a mock interview tool to evaluate the interview. Employers have rated students higher in FY16 from FY 15 in articulating their career goals and experiences.
- 3,237 students participated in 133 workshops or integrated classroom activities. The workshops are on topics such as career exploration, networking , professional development, interviewing skills, internships, utilizing social media, job search skills, use of the on line system, Lionslink/on line resources

Career Days, Site Visits & Networking Events

- 943 students attended the 2 career fairs (Spring and Fall) with 354 representatives from business, non-profit, government and graduate/professional school. National Association of Colleges & Employers (NACE) reported between the 2014-15 and 2015-16 academic years, the median number of organizations participating in career fairs jumped from 125 to 148, an indicator of an improved labor market for new college graduates. TCNJ event participation continues to be higher than the average.
- 320 students attended 1 of the 6 networking events: the Annual Engineering and Computer Science Meet & Greet, PharmaTech Symposium, HSS Networking, Non Profit Networking, Accounting Meet & Greet, Nursing Network and DC Career Day. Approximately, 30% of employers attending networking & recruiting events are TCNJ Alumni.
- 2 site visits involving 20 students visited Sparta Systems, Hamilton NJ and Isles, Trenton NJ gaining insight into the culture, innovation and potential opportunities. 3 students gained internships from this experience
- Each semester the Career Center facilitates an interactive Career Planning course through HSS with 24 students. Student feedback is extremely positive and guest speakers are a mainstay of the course.
- 121 students attend a business etiquette program, **Dining Out In Professional Style**. A consultant walks us through a 4 course meal while representatives from industries keep a lively conversation at the tables. Students leave with 1-2 new tips or strategies for the interview over lunch.
- 250 students attended **information sessions and employer roundtables** from 57 organizations.

Leadership & Internship Opportunities

- 4-6 Peer Career Educators are students who receive 10 hours of training on resume writing/cover letters and career services and assist in the open hours (which continue to gain popularity)
- The **College Enhancement Internship program** is housed in the Career Center where 33 interns participate in an internship within 22 departments of the College completing project based work as well as participate in an on boarding program, 3 leadership trainings, written reflection and "Connections."

Internships& Recruitment

- The one year out survey, respondents reported spending 2-3 semesters in internships or other experiential opportunities.
- Over 250 organizations provided 3986 on campus student interviews in FY16. Over 500 organizations posted positions with 8,000 TCNJ candidates' resumes distributed. Employer development increased recruitment partnerships with AstraZeneca, JPMorgan Chase, Merck, Sobel, iCIMS, Intel, Seimens, Nayak, NDI, Whiting-Turner, NJ School Districts and One Simple Wish.

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Take a look at our 2016 TCNJ Alumni

Post-Graduation Activity Summary

894/1689 (53%) of graduates responded to the survey. In an effort to respond to declining response rates, the Career Center incorporated data obtained through immediate response surveys from the School of Business, the School of Engineering, the School of Arts & Communication and data from the Admissions Clearinghouse. As a result of the information obtained, all 894 respondents provided both graduate school and employment information. 98.9% reported they were employed full-time or part-time and/or attending graduate/professional school. Of the respondents, 1.1% were not working or attending graduate/professional school.

Experiential Learning/Internships

65.8% (416/632) of survey respondents indicated they had participated in an internship for one or more semesters. Of this group, 53.4% (222/416) had an internship for 2 or more semesters.

65.4% (155/237) secured at least one semester of a paid internship and 56.8% (125/220) had at least one unpaid internship.

57.1% (137/240) had indicated an internship for at least one semester for academic credit and 60% (140/235) indicated an internship for at least one semester for no credit.

38.1% (94/247) of respondents indicated their internship experience secured them employment after graduation.

Other experiential opportunities included:

16.7% (96/576) indicated they had one or more semesters of student teaching; 7.2% (41/570) indicated they had one or more clinical experiences; 6.2% (35/569) indicated participation in MUSE; 20.5% (117/571) indicated participation in TCNJ sponsored research and 7% (40/570) indicated participation in non-TCNJ sponsored research.

TCNJ Career Preparation & Graduate Expectations

354 respondents rated how well they felt TCNJ prepared them for their careers. 341 (96.3%) rated their preparedness between Average and Excellent, and of this group 265 (77.7%) rated their preparedness between Above Average and Excellent.

Top Employers – Of the 625 respondents who provided their place of work, the Top Employers were:

- | | | |
|-------------------------------|--|-------------------------|
| 1. Johnson and Johnson (12) | 9. EY (4) | 17. L’Oreal (3) |
| 2. JP Morgan Chase & Co. (8) | 10. Crowe Horwath (4) | 18. Bank of America (3) |
| 3. TCNJ (8) | 11. CareKinesis Pharmacy (4) | 19. Aerotek (3) |
| 4. Bloomberg LP (7) | 12. Emergency Med. Assoc. (4) | 20. ADP (3) |
| 5. Deloitte, LLP (6) | 13. West Windsor-Plainsboro Reg SD (4) | |
| 6. City Year - AmeriCorps (6) | 14. PNC Bank (3) | |
| 7. PwC (5) | 15. Lockheed Martin (3) | |
| 8. Freedom Mortgage (5) | 16. ETS (3) | |

Salary Information

The average salary for graduates of the Class of ‘16 was \$55,341. This was a 10% increase from 2015. Average salaries by school:

Schools	A&C	Business	Education	Engineering	HSS	N&HES	Science
Average Salary 2016	\$49,761	\$59,142	\$48,661	\$63,750	\$48,241	\$61,333	\$56,145
Average Salary 2015	\$41,143	\$55,791	\$43,409	\$59,444	\$42,356	\$56,209*	\$51,716

The following academic majors, with more than one graduate reporting, had the highest reported average salaries:

- | | |
|---|--|
| 1. Computer Science (8), \$87,500 | 6. Engineering Science (5), \$64,500 |
| 2. Electrical Engineering (3), \$79,167 | 7. Finance (44), \$62,386 |
| 3. Computer Engineering (7), \$72,500 | 8. Interactive Multimedia (12), \$61,667 |
| 4. Biomedical Engineering (7), \$65,357 | 9. Accounting (35), \$60,643 |
| 5. Nursing (27), \$65,277 | 10. Civil Engineering (7), 60,357 |

Graduate School Summary

Of 758 respondents, 256 (33.8%) indicated they attended graduate school within the first year. 60% of respondents indicated they were not attending graduate/professional school and 6.2% were undecided regarding attending. Of the 252 respondents who reported the graduate school they were attending, the Top Graduate/Professional Schools were:

- | | | |
|------------------------------------|-----------------------------------|--|
| 1. Rutgers University (41) | 5. Drexel University (6) | 9. Seton Hall University (5) |
| 2. TCNJ (39)* | 6. Kean University (6) | 10. Fairleigh Dickinson University (4) |
| 3. University of Pennsylvania (11) | 7. Montclair State University (5) | 11. Johns Hopkins University (4) |
| 4. University of Delaware (7) | 8. Penn State (5) | 12. SUNY (4) |

Class of 2016 – School of Science Post-Graduation Activity

Employment

59% (140/237) of School of Science graduates completed the survey. Of the 140 respondents, 79 (56%) indicated that they are currently employed full-time or part-time.

Function of Employment

39 graduates specified which functions their careers fell into:

1 (2.6%) in Administrative Services	6 (15.4%) in Health
2 (5.1%) in Business	1 (2.6%) in Information Technology
11 (28.2%) in Education	1 (2.6%) in Law/Law Related
2 (5.1%) in Engineering	8 (20.5%) in Research
	7 (17.9%) in Other fields

Average Salaries

48 graduates who were employed full-time provided their salary information based on a range from “\$24,999 and under” to “\$150,000 and more” with \$4,999 intervals. The average salary for these graduates was \$56,145.

Number of Job Offers

Of the 43 respondents who provided information about job offers, 39 received one or more job offers.

Primary Major and Position Obtained

Of 38 respondents, 37 (97.4%) indicated that their major was directly or indirectly related to their obtained position.

Internship Participation

41 respondents participated in an internship for at least one semester during their time at TCNJ, while 19 of them participated in internships for two or more semesters.

Graduate/Professional School

68 respondents indicated that they were currently attending graduate school.

Future Plans for Study

19 graduates indicated that they had plans for beginning graduate school in the next few years:

- 4 plan to attend graduate school within 2 years.
- 9 plan to attend graduate school within 4 years.
- 6 plan to attend graduate school within 6 years.

Degrees Being Sought

54 graduates indicated that they were planning on (if not actively) pursuing further degrees in the future:

- 1 is/will be seeking a Bachelor’s Degree.
- 21 are/will be seeking a Master’s Degrees.
- 22 are/will be seeking a Professional Degree.
- 9 are/will be seeking a Doctoral Degrees.
- 1 is/will be seeking another degree.

Career/Graduate Preparedness and Academic Satisfaction

Respondents rated how well they felt TCNJ prepared them for their career and graduate/professional school, and their satisfaction with their academic experience at TCNJ. Their ratings were based on a 5-point Likert scale (1 = Poor, 5 = Excellent):

	Poor	Below Average	Average	Above Average	Excellent	Total	Average Rating
Career	1	1	9	19	8	38	3.84
Graduate School	0	0	6	18	10	34	4.12

**Salaries – School of Science
Class of 2016**

<u>Major Field of Study</u>	<u>Average Salary</u>
Biology	\$40,500
Chemistry	\$42,500
Computer Science	\$87,500
Math Secondary Education	\$54,167
Mathematics	\$53,214
Physics	\$57,500
Physics Secondary Ed.	\$57,500
Statistics	\$67,500

Mean – \$56,145

Those who provided their salary out of employed respondents: 48/79

Job Titles & Employers - School of Science

Class of 2016

<u>Major Field of Study</u>	<u>Full Time Job Titles</u>	<u>Full Time Employer</u>
Biology	340B Program Specialist	Brightpoint Health
Biology	Volunteer Staff	Children's Hospital of Philadelphia
Biology	Clinical Info Manager	EmCare
Biology	Clinical Info Manager	EmCare
Biology	Clinical Info Manager	Emergency Medical Associates
Biology	Clinical Info Manager/Scribe	Emergency Medical Associates
Biology	Ed & Interpretation Intern	AmeriCorps
Biology	Lab Tech	Genewiz
Biology	Lab Tech	Genewiz
Biology	Research Assistant	Hackensack University Medical Center
Biology	Job Coach	NDSS
Biology	Program Coordinator	Ogilvy CommonHealth WorldWide
Biology	Research Specialist	Perelman School of Medicine
Biology	Neurosurgical Scribe	Princeton Brain & Spine
Biology	Physical Therapy Aide	Princeton Orthopaedic Associates
Biology	Sample Management Assistant	Regeneron Pharmaceuticals
Biology	Medical Scribe	Scribeamerica
Biology	Ecological Monitor Tech	The Great Basin Institute
Biology	Research Technician II	UT Southwestern
Biology	Research Analyst	Zitter Health Insights

Biology **20**

Biology Secondary Ed. Corps Member Teach for America

Biology Secondary Ed. **1**

Chemistry	Forensic Scientist	Atlantic Diagnostic Laboratories
Chemistry	Lab Technician	Elementis
Chemistry	Clinical Info Manager	Emergency Medical Associates
Chemistry	Clinical Info Manager/Scribe	Emergency Medical Associates
Chemistry	Analytical Chemist	Reckitt Benckiser

Chemistry **5**

Computer Science	Quality Assurance Analyst	CareKinesis, Inc.
Computer Science	Quality Assurance Analyst	CareKinesis, Inc.
Computer Science	Software Consultant	Chariot Solutions
Computer Science	Application Developer	Credit Suisse
Computer Science	IT Consultant	FDM Group
Computer Science	Junior Middleware Developer	Independence Blue Cross

Computer Science	Software Engineer	LGS Innovations
Computer Science	Software Developer Engineer	Media Brix
Computer Science	Software Engineer	Mission Solution Engineering, LLC
Computer Science	Front End Software Developer	Pearson
Computer Science	Software Developer	PGIM
Computer Science	Software Developer	Prudential Financial
Computer Science	Software Engineer	Truveris
Computer Science	Quality Assurance Analyst	UnitedHealth Group
Computer Science	Software Engineer	Weebly

Computer Science

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Mathematics	Marketing Database Associate	American List Council
Mathematics	Actuarial Analyst	Aon Hewitt
Mathematics	Actuarial Student	Aon Hewitt
Mathematics	Trader	Elk Capital Markets
Mathematics	Business Analyst	FAST Technology
Mathematics	Underwriter	Freedom Mortgage
Mathematics	Data Analyst	Health Quality Innovators
Mathematics	Actuarial Analyst	MIB Group
Mathematics	Data Analyst	Ocean Health Initiatives

Mathematics

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Mathematics Secondary Ed	Math Interventionist	Edison Township Board of Education
Mathematics Secondary Ed	6 th Grade Math Teacher	Egg Harbor Township Board of Education
Mathematics Secondary Ed	HS Geometry Teacher	Monroe Township High School
Mathematics Secondary Ed	Math Teacher	Mount Olive Middle School
Mathematics Secondary Ed	Math Teacher	Northern Highlands Regional HS
Mathematics Secondary Ed	Math Teacher	Old Bridge Public Schools
Mathematics Secondary Ed	Math Teacher	Somerset Hills School District
Mathematics Secondary Ed	HS Math Teacher	Southern Regional High School

Mathematics Secondary Education

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Physics	Creator/Webmaster	Duchenne Talk
Physics	Product Support Engineer	Edmund Optics
Physics	Statistical Assistant	Educational Testing Service
Physics	High School Physics Teacher	North Arlington High School

Physics

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Physics Secondary Ed	Science Teacher	Keyport High School
Physics Secondary Ed	Physics Teacher	Wall High School

Physics Secondary Ed

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Graduate Schools and Programs of Study

School of Science Class of 2016

Major Field of Study	Program of Study	Current Graduate School
Biology	Medicine	Cooper Medical School
Biology	Chemical Ecology	SUNY - ESF
Biology	BSN	Drexel University
Biology	Biomedical Sciences	Harvard University
Biology	Biomedical Sciences	Rutgers University
Biology	Dental Medicine	Temple University
Biology	Osteopathic Medicine	University of New England
Biology	Law	Rutgers University
Biology	Medicine	Robert Wood Johnson Med School
Biology	Secondary Ed Teaching	The College of New Jersey
Biology	Medicine	Thomas Jefferson University
Biology	Medicine	Drexel University
Biology	MD Program	Drexel University
Biology	Medicine	New Jersey Medical School
Biology	Medicine	Rutgers University
Biology	Medicine	NYIT
Biology	Medicine	Robert Wood Johnson Med School
Biology	Medicine	Rowan University
Biology	Medicine	Ross University
Biology	Medicine	University of Pennsylvania
Biology	Medicine	Rutgers University
Biology	Medicine	New York University
Biology	Medicine	Rutgers University
Biology	Medicine	Rutgers University
Biology	Medicine	Rutgers University
Biology	Medicine	Rutgers University
Biology	Medicine	Robert Wood Johnson Med School
Biology	Medicine	University of Medicine/Dentistry NJ
Biology	Molecular Cell Biology	Yale University
Biology	Public Health/Epidemiology	University of Maryland
Biology	Optometry	SUNY College of Optometry
Biology	Optometry	State University of New York
Biology	Pharmacology	Rutgers University
Biology	Pharmacology	University of North Carolina
Biology	Pharmacology	Rutgers University
Biology	Osteopathic Medicine	Rowan University
Biology		University of Georgia
Biology		Boston University
Biology		DeSales University
Biology		Monmouth University
Biology		University of Virginia
Biology		Fairleigh Dickinson University

Chemistry	Biomedical Sciences	Rutgers University
Chemistry	Chemistry	Pennsylvania State University
Chemistry	Chemistry	Yale University
Chemistry	Chemistry	Temple University
Chemistry	Osteopathic Medicine	Lake Erie College
Chemistry	Forensic Chemistry	Florida International University
Chemistry	Medicine	Weill Cornell Medical College
Chemistry	Medicine	Campbell University
Chemistry	Chemistry	University of Pennsylvania
Chemistry		Pennsylvania School of Dental Med
Chemistry		University of Delaware
Chemistry		University of Pennsylvania

Mathematics	Mathematics	University of Michigan
Mathematics	Mathematics	Wesleyan University
Mathematics		Washington University

Mathematics Statistics	Biostatistics	UNC Chapel Hill
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Physics	Atmospheric Science	University of Nevada, Reno
Physics	Chemical/Materials Physics	University of California Irvine
Physics	Medicine	New Jersey Medical School
Physics	Economics	Vanderbilt University
Physics	Medical Physics	University of Pennsylvania
Physics	Physics	University of Delaware
Physics	Physics	George Mason University
Physics	Plasma Physics	West Virginia University
Physics		Old Dominion University
