

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

## **Class of 2012 - School of Science**

A total of 263 School of Science graduates were awarded baccalaureate degrees in August 2011, December 2011, and May 2012. 129 (45%) graduates responded to the surveys administered by the Career Center and the Center for Institutional Effectiveness. The Admissions Clearinghouse identified an additional 45 members of the class that attended graduate or professional school in their first year after graduation

### **POST GRADUATION ACTIVITY**

#### **Further Study**

A total of 77 (60%) of those who *responded* indicated that they attended graduate school immediately after graduation.

#### **Employment**

A total of 72 (56%) graduates indicated they are employed. Their employment status is as follows:

- 57 (44%) indicated they were employed full time
- 15 (12%) indicated they were employed part time
- 31 (24%) indicated they were employed and attending graduate school.
- 46 (36%) indicated they were unemployed, but were attending graduate school.
- 2 (2%) indicated they were both unemployed and not attending graduate school.

### **Average Salaries**

54 (95%) 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 \$44,009.

### **Fields of Employment**

Students pursue occupations in a variety of career fields. The 55 (96%) respondents that answered this item regarding employment fields are employed as follows:

9 (16%) in Business	19 (35%) in Education	3 (5%) in Allied Health
2 (4%) in Communications	1 (2%) in Engineering	8 (15%) in Sciences
9 (16%) in Computers	1 (2%) in Government	2 (4%) in Other

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

- 29 (50%) Science graduates secured employment prior to graduation.
- 45 (78%) respondents secured employment within the first three months after graduation.
- 50 (86%) respondents secured employment within six months of graduation.
- 56 (97%) respondents secured employment within one year of graduation.

### **Job Offers**

Of the Science graduates employed who responded to this item, 23 (40%) of the 57 respondents employed full time received more than one job offer. The number of employment offers received ranged from 1 to 6, with respondents receiving a mean of 1.78 offers of employment per graduate.

### **Satisfaction with Employment**

Using a likert scale of 5 high to 1 low, Science graduates indicated the level of satisfaction they felt with their positions. 47 (82%) 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 4.49.

## **Current Employment's Ability to Meet Expectations**

47 (65%) respondents are working in the field they expected.

46 (64%) respondents are working in the position type they expected.

## **Relationship between Academic Major and Position Obtained**

Science graduates indicated the relationship between their academic major and the position they obtained since graduation. Of the 112 (87%) respondents:

86 (67%) respondents indicated a direct relationship between their academic major and the position they obtained.

20 (16%) respondents indicated an indirect relationship between their academic major and the position they obtained.

6 (5%) respondents indicated there was no relationship between their academic major and the position they obtained.

## **Internship Participation**

81 (63%) of Science majors who responded to the survey indicated they participated in an average of 2.12 internship experiences over an average of 2.80 semesters.

## **Usage of The Career Center**

78 (60%) respondents indicated they had utilized Career Services during their academic careers. Using a likert scale of 5 high to 1 low, graduates who utilized Career Services were asked to rate the service provided. The average rating was 3.71.

62 (36%) 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, respondents indicated they had.

61 (61%) indicated they received advice regarding post graduation career plans.

43 (43%) indicated they received advice regarding internships.

81 (81%) indicated they received advice regarding graduate and professional school.

8 (8%) indicated they received advice but did not indicated the topic.

## **TCNJ's Preparation for Students' Career Goals**

Science graduates rated how TCNJ prepared them for their current position utilizing a five-point scale (i.e., excellent to poor). Of the 100 (58%) respondents, 73 (73%) rated their preparation as excellent or above average. The average rating was 4.08.

39 (39%) excellent

23 (23%) average

0 (0%) poor

34 (34%) above average

4 (4%) below average

## **Quality of Academic Experience**

Science graduates assessed the overall quality of their academic experience. Of the 100 (58%) respondents, 95 (95%) assessed their academic experience as excellent or above average. The average rating was 4.49.

54 (54%) excellent

5 (5%) average

0 (0%) poor

41 (41%) above average

0 (0%) below average

# GRADUATE/PROFESSIONAL SCHOOL

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

124 (72%) of respondents indicated that they applied for graduate/professional school in the first year after graduation, which is an 11% increase in comparison with the Class of 2011. Of those that applied, 117 (67%) enrolled in further study.

## **Future Plans for Graduate Study**

- 48 respondents indicated the time frame in which they intended to pursue it.
- 30 (61%) respondents plan to attend within the first 2 years after graduation.
- 46 (94%) respondents plan to attend within 4 years after graduation.
- 48 (98%) respondents plan to attend within 6 years after graduation.

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

71 (60%) of those currently attending responded to the degree level they are pursuing.

Degree Level	Currently Pursuing		Highest Degree Planned	
Bachelors	0	0%	7	6%
Certificate	0	0%	0	0%
Masters	15	21%	36	30%
Doctorate	24	33%	33	28%
Professional	32	44%	42	35%

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

# Appendix

# A

# Salaries

**Salaries – School of Science  
Class of 2012**

<u>Major Field of Study</u>	<u>Average Salary</u>
Biology	\$34,583
Biology Secondary Education	\$52,500
Chemistry	\$47,500
Chemistry ACS Research	\$27,500
Computer Science	\$55,227
Math Secondary Education	\$52,500
Mathematics	\$53,750
Physics	\$42,500
Physics Secondary Education	\$57,500
Statistics	\$43,500

**Mean – \$44,009**

# Appendix

## B

# EMPLOYMENT

**Job Titles & Employers - School of Science  
Class of 2012**

<u>Major Field of Study</u>	<u>Full Time Job Titles</u>	<u>Full Time Employer</u>
Biology	Science Teacher	Ridge High School
Biology	PhD Fellow	Rutgers University
Biology	Student Employee	Memorial Sloan Kettering
Biology	Bench Scientist	Pfizer
Biology	Graduate Student	University of Chicago
Biology	Teacher	Readington Public Schools
Biology	Research Assistant	Dartmouth College
Biology	Andrology/Endocrine Lab Tech	Reproductive Medicine Associates of NJ
Biology	Supervisor	Ocean City Home Bank
Biology	Teacher	Toms River SD
Biology	Assistant Brand Coordinator	Shima Seiki USA
Biology	Residential Mortgage	Elite Temp
Biology	Lab Technician	Cold Spring Harbor Labs
Biology		<i>Discover Magazine</i>
Biology		14
Biology Secondary Ed.	Science Teacher	Burlington County Institute of Tech.
	Biology Secondary Ed.	1
Chemistry	Chemistry Teacher	East Windsor SD
Chemistry	Recruiter Tech	Lab Support, A Division of On Assignment
Chemistry	Pharmacy Technician	Walgreens
Chemistry	Promotional Programs Analyst	Otsuka America Pharmaceutical, Inc.
Chemistry	Clinical Information Manager	Emergency Medical Associates
Chemistry		5
Chemistry (ACS – Research)		University of Pennsylvania
Chemistry (ACS – Research)		1
Computer Science	QA Engineer	Comcast
Computer Science	Applications Developer I	QVC, Inc.
Computer Science	Software Consultant	Application Consulting Group
Computer Science	Computer Forensic Intrusion Analyst	Mantech International
Computer Science	Associate Software Engineer	CA Technologies
Computer Science	Software Engineer	Virtusa

**Job Titles & Employers - School of Science  
Class of 2012**

<u>Major Field of Study</u>	<u>Full Time Job Titles</u>	<u>Full Time Employer</u>
Computer Science	Software Engineer	RJ Metrics Inc.
Computer Science	Software Engineer	Merrill Lynch
Computer Science	PhD Student Researcher	Lehigh University
Computer Science		ZocDoc
Computer Science		Mercer County
Mathematics	Lecture Assistant	North Carolina State University
Mathematics	Teacher	Hamilton SD
Mathematics	Teaching Staff	Monroe Twp. HS
Mathematics	Teacher	Westfield SD
Mathematics	Corps Member	US Peace Corps
Mathematics	Teacher	Greater Egg Harbor Regional SD
Mathematics	Teacher	City of Burlington SD
Mathematics	Actuarial Associate	Prudential Financial
Mathematics	Medical Review Analyst – Data Mining Unit	NJ Office of State Comptroller
Mathematics	Teaching Staff	Westfield SD
Mathematics Secondary Ed	Teacher	Hillsborough SD
Mathematics Secondary Ed	Teacher	New York City SD
Mathematics Secondary Ed	Teacher	Parsippany HS
Mathematics Secondary Ed	Teacher	Somerville Public Schools
Mathematics Secondary Ed	Teacher	Southern Regional SD
Mathematics Secondary Ed	Teacher	Pascack Valley Regional SD
Physics	Program Leader in Science Ed.	Princeton Plasma Physics Lab
Physics		University of California – Los Angeles
Physics Secondary Ed	Teacher	Hanover Park Regional SD
Statistics	Staff	Ernst & Young
Statistics	Research Associate	WB&A Market Research
Statistics	Actuarial Intern	Coventry Health Care
Statistics	Actuarial Assistant	ProSight Specialty Insurance
Statistics	Project Integrity Coordinator	Health Strategies Group



Appendix

C

GRADUATE/  
PROFESSIONAL  
SCHOOLS

## Graduate Schools and Programs of Study

### School of Science

#### Class of 2012

Major Field of Study	Program of Study	Current Graduate School
Biology	MD	UMDNJ – Robert Wood Johnson Medical School
Biology	Law	Widener University
Biology	Medicine	UMDNJ – New Jersey Medical School
Biology	Medicine	UMDNJ – Robert Wood Johnson Medical School
Biology	Osteopathic Medicine	UMDNJ
Biology	MD/PhD	Dartmouth College
Biology	Medicine	UMDNJ – New Jersey Medical School
Biology	Biology	University of Pennsylvania
Biology	Doctor of Osteopathy	UMDNJ
Biology	Molecular Biology	Rutgers University
Biology	Cancer Biology	Gerstner Sloan Kettering
Biology	Physician Assistant	Pace University
Biology	Physician Assistant	Philadelphia College of Osteopathic Medicine
Biology	Public Health	Thomas Jefferson University
Biology	Medicine	UMDNJ
Biology	Medicine	Temple University
Biology	Science, Health, & Environmental Reporting	New York University
Biology	Medicine	University of Virginia
Biology	Organismal Biology & Anatomy	University of Chicago
Biology	Master of Business and Science	Rutgers University
Biology	Molecular & Cellular Biology	Dartmouth College
Biology	Veterinary Medicine	University of Pennsylvania
Biology	Medical Doctorate	UMDNJ – New Jersey Medical School
Biology	Medical Doctorate (Pediatrics)	UMDNJ – New Jersey Medical School
Biology	Occupational Therapy	Mercy College
Biology	Medical Degree	UMDNJ – New Jersey Medical School
Biology	Public Health	Columbia University
Biology	Optometry	SUNY Optometry

## Graduate Schools and Programs of Study

### School of Science

#### Class of 2012

Major Field of Study	Program of Study	Current Graduate School
Biology	M.D.	UMDNJ – Robert Wood Johnson Medical School
Biology	Osteopathic Medicine	UMDNJ
Biology	MD	UMDNJ – New Jersey Medical School
Biology	Medicine	Thomas Jefferson University
Biology	Doctor of Optometry	SUNY Optometry
Biology	Doctor of Optometry	New England College of Optometry
Biology	Physical Therapy	Sacred Heart University
Biology	Genetics	Stanford University
Biology	Nutrition Science & Dietetics	Syracuse University
Biology		UMDNJ
Biology		University of North Carolina – Chapel Hill
Biology		UMDNJ – New Jersey Medical School
Biology		UMDNJ
Biology		Creighton University
Biology		UMDNJ
Biology		New York College of Osteopathic Medicine
Biology		The Ohio State University
Biology		UMDNJ
Biology		Salus University
Biology		UMDNJ
Biology		UMDNJ
Biology		UMDNJ
Biology		UMDNJ
Biology		UMDNJ
Biology		Salus University
Biology		Lake Erie College of Osteopathic Medicine
Biology		UMDNJ
Biology		Wagner College

## Graduate Schools and Programs of Study

### School of Science

#### Class of 2012

<u>Major Field of Study</u>	<u>Program of Study</u>	<u>Current Graduate School</u>
Biology Secondary Education	Educational Psychology	Capella University
Biology – 7 Year Med	MD	UMDNJ – New Jersey Medical School
Biology – 7 Year Med	MD	UMDNJ – New Jersey Medical School
Biology – 7 Year Med	MD	UMDNJ – New Jersey Medical School
Biology – 7 Year Med	MD	UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology – 7 Year Med		UMDNJ – New Jersey Medical School
Biology/SUNY Optometry	Doctor of Optometry	SUNY Optometry
Biology/SUNY Optometry		SUNY Optometry
Biomedical Physics	MAT	The College of New Jersey
Chemistry	Pharmacy	Medical University of South Carolina

## Graduate Schools and Programs of Study

### School of Science

#### Class of 2012

<u>Major Field of Study</u>	<u>Program of Study</u>	<u>Current Graduate School</u>
Chemistry	Pharmacy	University of North Carolina – Chapel Hill
Chemistry	Chemical Biology	Harvard University
Chemistry	MD	UMDNJ – Robert Wood Johnson Medical School
Chemistry	Pharmacy	University of Maryland
Chemistry	Chemistry PhD Program	University of Rochester
Chemistry (ACS – Research)	Physical Chemistry	University of Pennsylvania
Chemistry (ACS – Research)	Macromolecular Science & Engineering	Case Western Reserve University
Chemistry (ACS – Research)	Biophysics, Biochemistry, & Structural Biology	Yale University
Chemistry (ACS – Research)	MAT	The College of New Jersey
Chemistry (ACS – Research)	Medical	Thomas Jefferson University
Chemistry (ACS – Research)		University of Pennsylvania
Chemistry (ACS – Research)		Michigan State University
Chemistry (ACS – Research)		George Mason University
Chemistry (ACS – Research)		Emory University
Chemistry (ACS – Research)		UMDNJ
Chemistry (ACS – Research)		University of North Carolina – Chapel Hill
Computer Science	Computer Science	The Polytechnic Institute of New York University
Computer Science	Library Science	Rutgers University
Computer Science	Information Assurance	Johns Hopkins University
Computer Science	Computer Science	University of Pennsylvania
Computer Science	Computer Science	Lehigh University
Computer Science		Bowling Green State University
Computer Science		Lehigh University
Mathematics	Mathematics	Indiana University
Mathematics	Mathematics	North Carolina State University
Mathematics	Geophysics	University of Arizona

## Graduate Schools and Programs of Study

### School of Science

#### Class of 2012

<u>Major Field of Study</u>	<u>Program of Study</u>	<u>Current Graduate School</u>
Mathematics	MD	Yeshiva University
Mathematics	Education	The College of New Jersey
Mathematics	Statistics	Rutgers University
Mathematics		NJIT
Mathematics		Lehigh
Mathematics Secondary Education	Education	City College of New York
Physics	Physics	CUNY
Physics	Biomedical Physics	University of California – Los Angeles (UCLA)
Physics	Law	Hofstra University
Physics		Lehigh University
Physics		University of Florida
Physics		University of Illinois at Chicago
Physics – Earth Science	Physical Ocean Science & Engineering (POSE)	University of Delaware
Physics Secondary Education	MAT	The College of New Jersey