

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

## **Class of 2011 - School of Science**

A total of 185 School of Science graduates were awarded baccalaureate degrees in August 2010, December 2010, and May 2011. 85 (46%) 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 46 (54%) of those who *responded* indicated that they attended graduate school immediately after graduation.

#### Employment

82 (96%) respondents indicated they were either working *and/or* attending graduate school in the first year after graduation.

A total of 60 (71%) graduates indicated they are employed. Their employment status is as follows:

- 45 (53%) indicated they were employed full time
- 15 (18%) indicated they were employed part time
- 24 (28%) indicated they were employed and attending graduate school.
- 22 (26%) indicated they were unemployed, but were attending graduate school.
- 3 (5%) indicated they were both unemployed and not attending graduate school.

### **Average Salaries**

41 (91%) 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 \$43,110. This reflects a 2% decrease in comparison with the Class of 2010.

### **Fields of Employment**

Students pursue occupations in a variety of career fields. The 45 (53%) respondents that answered this item regarding employment fields are employed as follows:

8 (18%) in Business	2 (4%) in Engineering	10 (22%) in Sciences
2 (4%) in Communications	1 (2%) in Allied Health	
5 (11%) in Computers	1(2%) in Law	
15 (33%) in Education	1 (23%) in Medicine	

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

- 16 (36%) Science graduates secured employment prior to graduation.
- 28 (64%) respondents secured employment within the first three months after graduation.
- 40 (91%) respondents secured employment within six months of graduation.
- 43 (98%) respondents secured employment within one year of graduation.

### **Job Offers**

Of the Science graduates employed who responded to this item, 24 (56%) of the 45 respondents employed full time received more than one job offer. The number of employment offers received ranged from 1 to 7, with respondents receiving a mean of 1.87 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. 33 (73%) 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 4.09.

### Current Employment's Ability to Meet Expectations

38 (84%) respondents are working in the field they expected.

35 (77%) 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 84 (99%) respondents:

66 (79%) respondents indicated a direct relationship between their academic major and the position they obtained.

15 (18%) respondents indicated an indirect relationship between their academic major and the position they obtained.

3 (4%) respondents indicated there was no relationship between their academic major and the position they obtained.

### Internship Participation

66 (79%) of Science majors who responded to the survey indicated they participated in an average of 2.15 internship experiences over an average of 2.73 semesters.

### Usage of Career Services

67 (79%) 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 3.83.

51 (76%) 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, 71 (84%) respondents indicated they had.

53 (63%) indicated they received advice regarding post graduation career plans.

35 (42%) indicated they received advice regarding internships.

48 (57%) indicated they received advice regarding graduate and professional school.

73 (87%) of the respondents indicated they had either received career advice from their faculty or had used Career Services.

### 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 82 (96%) respondents, 64 (78%) rated their preparation as excellent or above average. The average rating was 4.08.

38 (46%) excellent

17 (20%) average

0 (0%) poor

26 (32%) above average

1 (1%) below average

### Quality of Academic Experience

Science graduates assessed the overall quality of their academic experience. Of the 84 (99%) respondents, 78 (93%) assessed their academic experience as excellent or above average. This reflects a 2 percentage point increase in comparison with the Class of 2010. The average rating was 4.45.

44 (52%) excellent

6 (7%) average

0 (0%) poor

34 (40%) above average

0 (0%) below average

# GRADUATE/PROFESSIONAL SCHOOL

## Current Graduate/Professional School Attendance

52 (61%) of respondents indicated that they applied for graduate/professional school in the first year after graduation. Of those that applied, 46, 88% enrolled in further study.

## Future Plans for Graduate Study

Science graduates who indicated they are attending (46 or 54% of all respondents) or plan to attend (13 or 15% of all respondents) further study.

44 (52%) of those respondents indicated the time frame in which they intended to pursue it.

33 (75%) respondents plan to attend within the first 2 years after graduation.

40 (91%) respondents plan to attend within 4 years after graduation.

44 (100%) respondents plan to attend within 6 years after graduation.

## Current Degrees and Highest Degree Level Sought

45 (53%) of those currently attending responded to the degree level they are pursuing. In addition, 76 (89%) graduates provided information on the highest degree level they intended to pursue.

Degree Level	Currently Pursuing		Highest Degree Planned	
Bachelors	0	0%	26	34%
Certificate	2	4%	0	0%
Masters	12	27%	19	25%
Doctorate	20	44%	24	32%
Professional	11	24%	6	8%

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

Appendix B

# Employment Report

by

Major, Department & School

Job Titles & Employers - School of Science  
Class of 2011

Major Field of Study	Full Time Job Title	Full Time Employer
Biology	Research Assistant	Texas Tech University
Biology	Teaching Assistant	Rutgers University Camden
Biology	Family Room Specialist	Apple
Biology	Business Development	LEW Corporation
Biology	Laboratory Technician	Matrix Biology Institute
Biology	Temporary Lab Technician	UMDNJ
Biology	Mentor/Tutor	BrainStorm Tutoring, LLC
Biology	Medical Technician	Thomas Jefferson University Hospital
Biology Education	Teacher, Science	Urban Promise Ministries
Biology Education	Teacher, Science	Bernards Township School District
Biology Education	Environmental Science	Edison Township Public School
Chemistry	Research	Vanderbilt University
Chemistry	Teaching Assistant	University of Pennsylvania
Chemistry	Analytical Chemist	Airborne Laboratory Int'l
Chemistry	Team Leader	Idis Pharm
Chemistry Education	Teacher	Red Bank Regional School District
Computer Science	Security Accounting	Devcon
Computer Science	Technology Administrator	Coffee Bean Direct
Computer Science	Information Technology	State of New Jersey
Computer Science	Member - Technical Staff	Verizon Wireless
Computer Science	Computer Engineer	NAVAIR
Computer Science	Computer Scientist	United States Army
Math Education	Teacher, Mathematics	Camden County Technical Schools
Math Education	Teacher, Math	Ramapo Indian Hills High School
Math Education	Teacher, Math	Red Bank Regional School District
Math Education	Teacher, 8th Grade Math	East Windsor Regional School District
Math Education	Teacher, Math	Hanover Park Reg. School District
Math Education	Teacher, High School Math	Morris Hills Regional High School
Mathematics	Legal Intern	General Electric
Mathematics	Market Research Analyst	HCD Research
Mathematics	Associate, Actuarial	Prudential
Mathematics	Actuarial Trainee	Chubb Insurance
Mathematics	Actuarial Assistant	AIG
Mathematics	Actuarial Associate	Buck Consultants
Mathematics	Actuary	Towers Watson
Physics	Research Assistant	Princeton Plasma Physics Lab
Physics	Optical Design and	ThorLabs
Physics Education	Teacher, Science	No. Highlands Regional High School

Appendix C

**Graduate School  
Report**

by

Major, Department & School

Graduate Schools and Programs of Study - School of Science  
Class of 2011

<u>Major Field of Study</u>	<u>Program of Study</u>	<u>Current Graduate School</u>
Biology	Medicine	Arcadia University
Biology		Harvard University - Arts and Sciences
Biology		Marshall University - Huntington
Biology	Scientific	Montclair State University
Biology	Medicine	New Jersey edical School UMDNJ
Biology	Medicine	New Jersey Medical School (UMDNJ)
Biology		New York Medical College
Biology	Health Related (non doctor/nurse)	New York University
Biology		New York University
Biology	Medicine	Ohio State University
Biology	Medicine	Robert Wood Johnson Medical School
Biology	Medicine	Ross University School of Medicine
Biology		Seton Hall University
Biology	Medicine	SUNY Downstate Medical Center
Biology		Suny University at Buffalo
Biology		Temple University - Medical
Biology		Temple University - Medical
Biology	Medicine	The Ohio State University
Biology	Medicine	The University of Pennsylvania
Biology		The Washington University
Biology		Touro College
Biology	Medicine	Touro College of Osteopathic Medicine
Biology	Medicine	(UMDMJ)
Biology	Medicine	UMDNJ
Biology	Medicine	UMDNJ
Biology	Medicine	UMDNJ
Biology		UMDNJ - Robert Wood Johnson
Biology		UMDNJ - New Jersey Dental School
Biology	Medicine	UMDNJ - New Jersey Medical School
Biology	Medicine	UMDNJ - New Jersey Medical School
Biology		UMDNJ - New Jersey Medical School
Biology		UMDNJ - New Jersey Medical School
Biology	Scientific	UMDNJ - Newark
Biology		UMDNJ - Robert Wood Johnson
Biology		UMDNJ - Sch of Health Related
Biology		UMDNJ - Sch of Health Related
Biology		UMDNJ - School of Osteopathic
Biology		UMDNJ - School of Osteopathic
Biology		UMDNJ - School of Osteopathic
Biology	Medicine	UMDNJ Graduate School of
Biology	Medicine	UMDNJ-School of Osteopathic
Biology	Medicine	UMDNJ-SOM
Biology	Medicine	University of Pennsylvania
Biology		University of Pennsylvania
Biology		University of Pennsylvania
Biology		University of Pennsylvania
Biology		Yeshiva University - Einstein - MD
Biology	Scientific	Texas Tech University
Biology	Scientific	Brown University
Biology	Scientific	Case Western Reserve University
Biology	Scientific	Dartmouth College
Biology	Scientific	Rutgers Camden
Biology	Scientific	Rutgers University
Biology	Scientific	UMDNJ - Robert Wood Johnson
Biology		Thomas Jefferson University

Graduate Schools and Programs of Study - School of Science  
Class of 2011

Major Field of Study	Program of Study	Current Graduate School
BIOLOGY - 7 YEAR MD PROGRAM	Medicine	New Jersey Medical School (UMDNJ)
BIOLOGY - 7 YEAR MD PROGRAM	Medicine	UMDNJ
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YEAR MD PROGRAM		UMDNJ - New Jersey Medical School
BIOLOGY - 7 YR OPTOMETRY		Suny College of Optometry
Biomedical Physics		Temple University
Biomedical Physics	Medicine	University of Pennsylvania
Chemistry		Arcadia University
Chemistry		University of Illinois
Chemistry	Scientific	University of Pennsylvania
Chemistry	Scientific	Vanderbilt University
Chemistry	Scientific	University of Pennsylvania
Computational Physics	Computers	NJIT
Math Education		Delaware Valley College
Math Education		Farleigh Dickinson University
Math Education	Education	Rutgers University
Math Education	Education	Montclair State University
Math/Statistics	Scientific	North Carolina State University
Mathematics		Richard Stockton College of New
Mathematics		San Francisco State University
Mathematics	Education	The College of New Jersey
Mathematics		The University of Memphis
Mathematics		Villanova University
Mathematics		Albany Law School
Physics		Drexel University
Physics		Penn State
Physics	Scientific	Drexel University
Physics		Rutgers University - New Brunswick
Physics Earth Science		New Jersey Institute of Technology
Physics Earth Science		University of Florida

Appendix A

# Salary Report

by

Major, Department & School

Salaries - School of Science  
Class of 2011

<b>Major Field of Study</b>	<b>Average Salarie</b>
Biology	\$30,313
Biology Education	\$44,167
Chemistry	\$33,750
Chemistry Education	\$47,500
Computer Science	\$55,500
Math Education	\$50,500
Mathematics	\$58,214
Physics	\$40,000
Physics Education	\$52,500
	\$45,208