

2010 Report  
School of Science  
*With*  
Appendix for  
Employment, Graduate Study,  
& Salary

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

## **Class of 2010 - School of Science**

A total of 248 School of Science graduates were awarded baccalaureate degrees in August 2009, December 2009, and May 2010. 78 (31%) 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, which resulted in our learning the post-graduation activities of a total of 151 (61%) School of Science graduates.

### **POST GRADUATION ACTIVITY**

#### Further Study

A total of 40 (52%) of those who *responded* indicated that they attended graduate school immediately after graduation. However, through use of the Admissions Clearinghouse we learned that 111 (45%) of the entire class (respondents and non-respondents) enrolled in further study after graduation.

#### Employment

83 (100%) respondents indicated they were either working *and/or* attending graduate school in the first year after graduation.

A total of 61 (73%) graduates indicated they are employed. Their employment status is as follows:

41 (49%) indicated they were employed full time

20 (24%) indicated they were employed part time

21 (25%) indicated they were employed and attending graduate school.

19 (23%) indicated they were unemployed, but were attending graduate school.

0 ( 0%) indicated they were both unemployed and not attending graduate school.

### **Average Salaries**

35 (85%) 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 \$44,214. This reflects a 6% decrease in comparison with the Class of 2009.

### **Fields of Employment**

Students pursue occupations in a variety of career fields. The 41 (53%) respondents that answered this item regarding employment fields are employed as follows:

3 ( 7%) in Business

1 ( 2%) in Allied Health

8 (20%) in other fields

3 ( 7%) in Computers

4 (10%) in Law

13 (32%) in Education

1 ( 23%) in Medicine

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

22 (50%) Science graduates secured employment prior to graduation.

35 (80%) respondents secured employment within the first three months after graduation.

39 (89%) respondents secured employment within six months of graduation.

42 (95%) respondents secured employment within one year of graduation.

### **Job Offers**

Of the Science graduates employed who responded to this item, 27 (71%) of the 38 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 2.32 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 jobs. 33 (85%) of the respondents employed indicated an above average or high level of job satisfaction. This reflects a 10 percentage point decrease in comparison with the Class of 2009. The average satisfaction score for the respondents to this item was 4.41. In comparison with the other academic schools, School of Science graduates indicated the greatest satisfaction with their employment.

## Current Employment's Ability to Meet Expectations

31 (84%) respondents are working in the field they expected.  
28 (78%) 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 76 (97%) respondents:

55 (72%) respondents indicated a direct relationship between their academic major and the position they obtained.  
11 (14%) respondents indicated an indirect relationship between their academic major and the position they obtained.  
10 (13%) respondents indicated there was no relationship between their academic major and the position they obtained.

## Internship Participation

57 (74%) of Science majors who responded to the survey indicated they participated in an average of 1.93 internship experiences over an average of 2.44 semesters.

## Usage of Career Services

77 (100%) 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 3.84.

45 (74%) respondents reported utilizing TCNJ recruitment programs (i.e., internship programs and resources, job listings/binders, 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, 59 (77%) respondents indicated they had.

46 ( 60%) indicated they received advice regarding post graduation career plans.  
36 ( 47%) indicated they received advice regarding internships.  
39 ( 51%) indicated they received advice regarding graduate and professional school.  
77 (100%) 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 77 (99%) respondents, 65 (84%) rated their preparation as excellent or above average. The average rating was 4.23.

|                        |                       |             |
|------------------------|-----------------------|-------------|
| 30 (39%) excellent     | 12 (16%) average      | 0 (0%) poor |
| 35 (45%) above average | 0 ( 0%) below average |             |

## Quality of Academic Experience

Science graduates assessed the overall quality of their academic experience. Of the 77 (99%) respondents, 70 (91%) assessed their academic experience as excellent or above average. This reflects a 2 percentage point decrease in comparison with the Class of 2008. The average rating was 4.48.

|                        |                      |             |
|------------------------|----------------------|-------------|
| 44 (57%) excellent     | 7 (9%) average       | 0 (0%) poor |
| 26 (34%) above average | 0 (0%) below average |             |

# GRADUATE/PROFESSIONAL SCHOOL

## Current Graduate/Professional School Attendance

48 (62%) of respondents indicated that they applied for graduate/professional school in the first year after graduation. 22 (46%) of those that applied had a contingency plan for if they were not admitted to graduate school. This reflects a 3 percentage point increase in comparison with the Class of 2009. Of those that applied, 83% enrolled in further study.

Of the survey respondents direct reporting of graduate school attendance, 40 (52%) of survey respondents are currently enrolled in graduate/professional school. This reflects a 3 percentage point increase in comparison with the Class of 2008. Through the combination of the clearinghouse and self reporting, we identified that a total of 111 (45%) attended graduate/professional school after graduation.

## Areas of Current & Intended Study

Science graduates who indicated they are attending (39 or 51% of all respondents) or plan to attend (36 or 46% of all respondents) further study indicated they will pursue the following fields (number and percent of total respondents to item).

| Field of Study | Those who currently attend |    | Those who plan to attend |     | Field of Study        | Those who currently attend |     | Those who plan to attend |     |
|----------------|----------------------------|----|--------------------------|-----|-----------------------|----------------------------|-----|--------------------------|-----|
| Arts           | 0                          | 0% | 0                        | 0%  | Humanities            | 1                          | 3%  | 3                        | 8%  |
| Business       | 0                          | 0% | 0                        | 0%  | Human/Social Services | 0                          | 0%  | 0                        | 0%  |
| Communications | 0                          | 0% | 0                        | 0%  | Law/Law Related       | 1                          | 3%  | 0                        | 0%  |
| Computers      | 2                          | 5% | 2                        | 6%  | Medicine              | 14                         | 36% | 6                        | 17% |
| Education      | 2                          | 5% | 8                        | 22% | Nursing               | 1                          | 3%  | 0                        | 0%  |
| Engineering    | 2                          | 5% | 0                        | 0%  | Scientific            | 13                         | 33% | 11                       | 31% |
| Government     | 0                          | 0% | 0                        | 0%  | Social Sciences       | 0                          | 0%  | 2                        | 6%  |
| Health Related | 3                          | 8% | 0                        | 0%  | Other                 | 0                          | 0%  | 4                        | 11% |

## Future Plans for Graduate Study

39 (50%) Science graduates plan to attend graduate/professional school in the future. 37 (95%) of those respondents indicated the time frame in which they intended to pursue it.

22 (59%) respondents plan to attend within the first 2 years after graduation.

33 (89%) respondents plan to attend within 4 years after graduation.

36 (97%) respondents plan to attend within 6 years after graduation.

## Current Degrees and Highest Degree Level Sought

40 (100%) of those currently attending responded to the degree level they are pursuing. In addition, 74 (95%) 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  | 0                  | 0%  | 0                      | 0%  |
| Masters      | 12                 | 30% | 26                     | 34% |
| Doctorate    | 14                 | 35% | 20                     | 26% |
| Professional | 14                 | 35% | 2                      | 3%  |

\* 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 2010

| <u>Major Field of Study</u> | <u>Full Time Job Title</u>     | <u>Full Time Employer</u>          |
|-----------------------------|--------------------------------|------------------------------------|
| Biology - Secondary Ed      | Science Teacher                | DOVER MIDDLE SCHOOL                |
| Biology - Secondary Ed      | Science Teacher                | GREEN BROOK TOWNSHIP PUBLIC        |
| Biology - Secondary Ed      | Teacher Of Biological Sciences | LINDEN HIGH SCHOOL                 |
| Biology - Secondary Ed      | 3                              |                                    |
| Biology Liberal Arts        | Asst. Research Scientist       | BRISTOL-MYERS SQUIBB               |
| Biology Liberal Arts        | Virology Technician            | CHARLES RIVER LABORATORIES         |
| Biology Liberal Arts        |                                | COLD SPRING HARBOR LABORATORIES    |
| Biology Liberal Arts        |                                | ROCHE DIAGNOSTICS                  |
| Biology Liberal Arts        | High School Teacher            | TEXAS VALLEY HIGH SCHOOL           |
| Biology Liberal Arts        | Laboratory Technician          | UMDNJ - THE CANCER INSTITUTE OF NJ |
| Biology Liberal Arts        | Doctoral Student               | UNIVERSITY OF CHICAGO              |
| Biology Liberal Arts        | Organic Lab Teaching Assistant | UNIVERSITY OF PENNSYLVANIA         |
| Biology Liberal Arts        | Technical Service Associate    | ZEUS SCIENTIFIC                    |
| Biology Liberal Arts        | 9                              |                                    |
| Chemistry                   | Analytical Chemist             | AIRBORNE LABS INTERNATIONAL        |
| Chemistry                   | Associate Chemist              | CHURCH AND DWIGHT CO, INC          |
| Chemistry                   | Spanish I And Ii Teacher       | LUMBERTON ISD                      |
| Chemistry                   | 3                              |                                    |
| Computer Science            | Marketing Associate            | ARKADIUM                           |
| Computer Science            | Systems Analyst                | ATLAS SYSTEMS                      |
| Computer Science            | Customer Service               | EDUCATIONAL TESTING SERVICE        |
| Computer Science            | Web Developer                  | NEW YORK TIMES                     |
| Computer Science            | Software Engineer              | SOFTWARE ENGINEERING CENTER        |
| Computer Science            | 5                              |                                    |
| Math                        | Credit Analyst                 | CIT GROUP, INC.                    |
| Math                        |                                | JF ACTUARIAL SERVICES              |
| Math                        | Underwriter                    | PHILADELPHIA INSURANCE COMPANY     |
| Math                        | Teacher Of Math And Computer   | SCOTCH PLAINS-FANSWOOD PUBLIC      |
| Math                        | 4                              |                                    |
| Math - Secondary Ed         | Teacher                        | BERGENFIELD BOE                    |
| Math - Secondary Ed         | Associate, Retirement          | BUCK CONSULTANTS                   |
| Math - Secondary Ed         | Math Teacher                   | CHURCHILL JUNIOR HIGH              |
| Math - Secondary Ed         | 6-8th Grade Math Teacher       | GLEN ROCK PUBLIC SCHOOLS           |

## Job Titles & Employers - School of Science Class of 2010

| Major Field of Study | Full Time Job Title      | Full Time Employer           |
|----------------------|--------------------------|------------------------------|
| Math - Secondary Ed  | Mathematics Teacher      | GREEN BROOK TOWNSHIP PUBLIC  |
| Math - Secondary Ed  | High School Math Teacher | NORTH HUNTERDON - VOORHEES   |
| Math - Secondary Ed  | Teller                   | WELLS FARGO BANK             |
| Math - Secondary Ed  | Teacher                  | WEST ESSEX HIGH SCHOOL       |
| Math - Secondary Ed  | Mathematics Teacher      | WESTFIELD BOARD OF EDUCATION |
| Math - Secondary Ed  | 9                        |                              |
| Physics              | Graduate Fellow          | RUTGERS UNIVERSITY           |
| Physics              | 1                        |                              |
| Statistics           | Mortgage Underwriter     | PROVIDENT FUNDING ASSOCIATES |
| Statistics           | 1                        |                              |
| Total Respondents    |                          | 35                           |

Appendix C

**Graduate School  
Report**

by

Major, Department & School



## Graduate Schools and Programs of Study - School of Science Class of 2010

| Major Field of Study   | Program of Study       | Current Graduate School          |
|------------------------|------------------------|----------------------------------|
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     | Medicine               | UMDNJ                            |
| Biology - 7 Yr Med     | Medicine               | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     | Medicine               | UMDNJ                            |
| Biology - 7 Yr Med     | Medicine               | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
| Biology - 7 Yr Med     | Medicine               | UMDNJ                            |
| Biology - 7 Yr Med     |                        | UMDNJ                            |
|                        | Biology - 7 Yr Med     | 19                               |
| Biology - Secondary Ed | 14                     | MONTCLAIR STATE UNIVERSITY       |
|                        | Biology - Secondary Ed | 1                                |
| Biology Liberal Arts   |                        | ARIZONA STATE UNIVERSITY         |
| Biology Liberal Arts   | Medicine               | CASE WESTERN RESERVE SCHOOL OF   |
| Biology Liberal Arts   |                        | DREXEL UNIVERSITY                |
| Biology Liberal Arts   |                        | DREXEL UNIVERSITY                |
| Biology Liberal Arts   | Medicine               | DREXEL UNIVERSITY                |
| Biology Liberal Arts   |                        | DREXEL UNIVERSITY                |
| Biology Liberal Arts   | Medicine               | DREXEL UNIVERSITY                |
| Biology Liberal Arts   |                        | EMORY UNIVERSITY                 |
| Biology Liberal Arts   |                        | FAIRLEIGH DICKINSON UNIVERSITY - |
| Biology Liberal Arts   | Science                | JOHNS HOPKINS UNIVERSITY         |



## Graduate Schools and Programs of Study - School of Science Class of 2010

| Major Field of Study | Program of Study     | Current Graduate School            |
|----------------------|----------------------|------------------------------------|
| Biology Liberal Arts | Allied Health        | UMDNJ                              |
| Biology Liberal Arts |                      | UMDNJ                              |
| Biology Liberal Arts | Allied Health        | UMDNJ                              |
| Biology Liberal Arts |                      | UMDNJ                              |
| Biology Liberal Arts | Science              | UNIVERSITY OF ARKANSAS FOR MEDICAL |
| Biology Liberal Arts | Science              | UNIVERSITY OF CHICAGO              |
| Biology Liberal Arts |                      | UNIVERSITY OF PENNSYLVANIA         |
| Biology Liberal Arts |                      | UNIVERSITY OF PENNSYLVANIA         |
| Biology Liberal Arts | Science              | UNIVERSITY OF PENNSYLVANIA         |
| Biology Liberal Arts | Science              | UNIVERSITY OF TEXAS AT AUSTIN      |
| Biology Liberal Arts | 11                   | VERMONT LAW SCHOOL                 |
|                      | Biology Liberal Arts | 54                                 |
| Chemistry            |                      | GEORGE WASHINGTON UNIVERSITY       |
| Chemistry            | Nursing              | NORTHEASTERN UNIVERSITY            |
| Chemistry            | Humanities           | NYACK COLLEGE                      |
| Chemistry            |                      | PRINCETON UNIVERSITY               |
| Chemistry            | Allied Health        | RUTGERS                            |
| Chemistry            |                      | RUTGERS - CAMDEN                   |
| Chemistry            |                      | UNIVERSITY OF FLORIDA              |
| Chemistry            |                      | UNIVERSITY OF NEW HAVEN            |
| Chemistry            |                      | UNIVERSITY OF NEW HAVEN            |
| Chemistry            | Science              | UNIVERSITY OF PITTSBURGH           |
| Chemistry            |                      | UNIVERSITY OF PITTSBURGH           |
| Chemistry            | Science              | WEILL CORNELL GRADUATE SCHOOL OF   |
|                      | Chemistry            | 12                                 |
| Computer Science     |                      | GEORGE MASON UNIVERSITY            |
| Computer Science     | Computer Science     | ROWAN UNIVERSITY                   |
| Computer Science     | Computer Science     | STEVEN'S INSTITUTE OF TECHNOLOGY   |
| Computer Science     |                      | SUNY STONY BROOK UNIVERSITY        |
| Computer Science     |                      | TEXAS A&M UNIVERSITY               |
| Computer Science     |                      | UNIVERSITY OF DELAWARE             |
| Computer Science     |                      | VILLANOVA UNIVERSITY               |

## Graduate Schools and Programs of Study - School of Science Class of 2010

| Major Field of Study | Program of Study    | Current Graduate School         |
|----------------------|---------------------|---------------------------------|
|                      | Computer Science    | 7                               |
| Math                 | Science             | DREXEL UNIVERSITY               |
| Math                 | Science             | NORTH CAROLINA STATE UNIVERSITY |
| Math                 |                     | RUTGERS -NEW BRUNSWICK          |
| Math                 |                     | RUTGERS -NEW BRUNSWICK          |
| Math                 |                     | STEVENS INSTITUTE OF TECHNOLOGY |
| Math                 |                     | U OF MASSACHUSETTS AT AMHERST   |
|                      | Math                | 6                               |
| Math - Secondary Ed  |                     | BOSTON UNIVERSITY               |
| Math - Secondary Ed  | Education           | COLUMBIA TEACHER'S COLLEGE      |
| Math - Secondary Ed  |                     | UNIVERSITY OF VIRGINIA          |
|                      | Math - Secondary Ed | 3                               |
| Physics              | Engineering         | CARDIFF UNIVERSITY              |
| Physics              |                     | NORTH CAROLINA STATE UNIVERSITY |
| Physics              | Science             | RUTGERS UNIVERSITY              |
| Physics              |                     | STEVENS INSTITUTE OF TECHNOLOGY |
| Physics              | Medicine            | UMDNJ                           |
|                      | Physics             | 5                               |
| Total Respondents    |                     | 107                             |

Appendix A

# **Salary Report**

by

Major, Department & School

## Salaries - School of Science Class of 2010

| <b>Major Field of Study</b> | <b>Number</b> | <b>Average Salarie</b> |
|-----------------------------|---------------|------------------------|
| Biology - Secondary Ed      | 3             | \$49,167               |
| Biology Liberal Arts        | 11            | \$40,227               |
| Chemistry                   | 3             | \$42,500               |
| Computer Science            | 5             | \$48,500               |
| Math                        | 4             | \$43,750               |
| Math - Secondary Ed         | 6             | \$48,333               |
| Physics                     | 1             | \$32,500               |
| Statistics                  | 2             | \$45,000               |
| Total Respondents           | 35            | \$44,214               |