SCHOOL OF SCIENCE

TCNJ | THE COLLEGE OF NEW JERSEY

ONE YEAR OUT REPORT: CLASS OF 2019

Information was obtained for 64% (144/225) of School of Science graduates who were awarded their bachelor's degree in August 2018, December 2018, and May 2019. Among the 144 graduates, 97.2% (140/144) reported employment or continuing education plans, and 2.8% (4/144) reported no employment and currently searching for a job. Of the 140 reporting employment or continuing education, 42.4% (61/144) were employed and 54.9% (79/144) were continuing education.

EMPLOYMENT

Among the 61 Class of 2019 graduates reporting employment, 95.1% (58/61) were employed full time and 3.3% (2/61) were employed part time. 1.6% (1/61) graduate did not report their employment type. Below are details on employment trends among those reporting full-time employment.

JOB FUNCTIONS	COUNT	PERCENT
Computer Science	13	22.8%
Business	11	19.3%
Education	8	14.0%
Engineering	6	10.5%
Data Analytics	5	8.8%
Research	5	8.8%
Health	3	5.3%
Information Technology	2	3.5%
Consulting	1	1.8%
Other	1	1.8%
Retail	1	1.8%
Social Services	1	1.8%
TOTAL	57	100.0%

MAJOR RELATION

Among the 58 reporting full-time employment, 36 indicated whether their major was directly related to their position. 75% (27/36) reported direct relation, 22.2% (8/36) reported indirect relation, and 2.8% (1/36) reported no relation.

SALARY TRENDS

The median salary reported is $57,500, based on 38 graduates; this is a slight decrease compared to the Class of 2018 average salary of $58,249. The median salary for females is $57,500 with 15 reporting, and the median salary for males is $72,500 with 23 reporting.

JOB OFFERS

Among the 39 graduates in full-time positions reporting job offer count, here is a breakdown:

JOB OFFER COUNT	COUNT	PERCENT
One (1) Job Offer	17	43.6%
Two (2) Job Offers	12	30.8%
Three (3) Job Offers	5	12.8%
Four (4) or More Job Offers	5	12.8%
TOTAL	39	100.0%

CONTINUING EDUCATION

79 graduates reported continuing education. Continuing education includes those pursuing graduate and professional school, or further studies including a second bachelor's degree, certifications, or specialized training. Below are details on continuing education trends among those in this category.

MAJOR RELATION

Among the 79 reporting continuing education, 28 indicated whether their major was directly related to their program. 82.1% (23/28) reported direct relation and 17.9% (5/28) reported indirect relation.

CONTINUING EDUCATION (cont'd)

DEGREE LEVEL

Among the 79 reporting continuing education, 20 indicated the degree level they are pursuing. 70% (14/20) are pursuing a master's degree and 30% (6/20) are pursuing a doctorate degree.

PROGRAM ACCEPTANCE RATE

Among the 79 reporting continuing education, 28 reported the number of program acceptances they received. 42.9% (12/28) received one (1) acceptance, 7.1% (2/28) received two (2) acceptances, and 50% (14/28) received three (3) or more acceptances.

FUTURE PLANS FOR STUDY

Among the Class of 2019 graduates responding to the survey, 63 indicated they were planning on (if not actively) pursuing further degrees in the future. Additionally, 35 indicated their plans and timeline for beginning graduate school. Below is a breakdown on these data points.

GRAD PLANS HIGHEST	COUNT	PERCENT
MASTERS	28	44.4%
DOCTORAL	16	25.4%
PROFESSIONAL	9	14.3%
BACHELOR'S	4	6.3%
NO PLANS	3	4.8%
OTHER	3	4.8%
Grand Total	63	100.0%

GRAD PLANS TIMELINE	COUNT	PERCENT
APPLIED - STILL WAITING	2	5.7%
NO PLANS	10	28.6%
PLAN WITHIN 2 YEARS	13	37.1%
PLAN WITHIN 4 YEARS	4	11.4%
PLAN WITHIN 6 YEARS	6	17.1%
Grand Total	35	100.0%

INTERNSHIPS AND PREPARATION

INTERNSHIP PARTICIPATION

Among the Class of 2019 graduates responding to the survey, 70 indicated how many semesters they participated in an internship experience. 42.9% (30/70) participated in an internship for at least one semester during their time at TCNJ.

INTERNSHIP PARTICIPATION	COUNT	PERCENT
Did not participate	40	57.1%
One	19	27.1%
Two	7	10.0%
Three	2	2.9%
Four or more	2	2.9%
TOTAL	70	100.0%

CAREER AND GRADUATE SCHOOL PREPARATION

Among the Class of 2019 graduates responding to the survey, 28 rated their level of graduate school preparation. 78.6% (22/28) rated their preparation as above average or excellent. 38 respondents rated their level of preparation for employment, where 63.2% (24/38) rated their preparation as above average or excellent.

PREPARATION	EXCELLENT	ABOVE AVERAGE	AVERAGE	BELOW AVERAGE	TOTAL
PREPARENDESS FOR GRADUATE SCHOOL	39.3%	39.3%	21.4%	0.0%	100.0%
PREPARATION FOR EMPLOYMENT	23.7%	39.5%	34.2%	2.6%	100.0%

ADDITIONAL DETAILS ON EMPLOYMENT AND CONTINUING EDUCATION

Below are additional details on employers and continuing education institutions when 2 or were more reported.

TCNJ MAJOR	JOB FUNCTION	EMPLOYER
Biology	**13 REPORTED**	**MEDIAN SALARY $37,499**
TCNJ MAJOR	JOB FUNCTION	EMPLOYER
Biology	Research	Albert Einstein College of Medicine
Biology	Business	AT&T
Biology	Business	Branding Science
Biology	Research	Envision Physician Services
Biology	Education	Lambda School
Biology	Research	Lankenau Institute for Medical Research
Biology	Health	Medical Art Center
Biology	Business	Midas Pharmaceuticals, Inc.
Biology	Engineering	Middlesex Water Company
Biology	Social Services	Peace Corps
Biology	Health	ScribeAmerica
Biology	Health	Sleep and Wellness Medical Associates
Biology	Other	WuXi Advanced Therapies
CHEMISTRY	**2 REPORTED**	**MEDIAN SALARY $54,999**
TCNJ MAJOR	JOB FUNCTION	EMPLOYER
Chemistry	Research	Johnson & Johnson
Chemistry	Business	Firmenich
COMPUTER SCIENCE	**18 REPORTED**	**MEDIAN SALARY $82,500**
TCNJ MAJOR	JOB FUNCTION	EMPLOYER
Computer Science	Computer Science	Amazon
Computer Science	Computer Science	AT&T
Computer Science	Computer Science	AT&T
Computer Science	Computer Science	Burlington Stores
Computer Science	Computer Science	Capital One
Computer Science	Computer Science	Comcast
Computer Science	Engineering	EA Games
Computer Science	Business	Grid Machina LLC
Computer Science	Computer Science	iCIMS
Computer Science	Engineering	JPMorgan Chase & Co.
Computer Science	Computer Science	Lockheed Martin
Computer Science	Computer Science	Mistras Group Inc.
Computer Science	Information Technology	New Jersey Office of Legislative Services
Computer Science	Computer Science	Niksun, Inc
Computer Science	Engineering	SciTec, Inc.
Computer Science	Computer Science	Tabula Rasa Healthcare
Computer Science	Computer Science	TIAA
Computer Science	Computer Science	WarnerMedia
MATHEMATICS	**17 REPORTED**	**MEDIAN SALARY $72,500**
TCNJ MAJOR	JOB FUNCTION	EMPLOYER
Mathematics	Business	Admiral Insurance Group
Mathematics	Information Technology	Chubb
Mathematics	Data Analytics	CSAA Insurance Group, a AAA Insurer
Mathematics	Consulting	Deloitte
Mathematics	Data Analytics	Digital Realty
Mathematics	Business	Everest Reinsurance Company
Mathematics	Education	Harlem Children's Zone
Mathematics	Engineering	HCL Technologies
Mathematics	Data Analytics	InsiderScore, LLC
Mathematics	Research	Johns Hopkins University
Mathematics	Business	Mercer
Mathematics	Data Analytics	Omnicom Media Group
Mathematics	Engineering	Prudential Financial
Mathematics	Business	RiverRoad Waste Solutions
Mathematics	Business	United States Navy
Mathematics	Business	Willis Towers Watson
Mathematics	Retail	Worthington Biochemical Corp
MATHEMATICS SECONARY EDUCATION	**5 REPORTED**	**MEDIAN SALARY $52,500**
TCNJ MAJOR	JOB FUNCTION	EMPLOYER
Mathematics Secondary Education	Data Analytics	Everest Reinsurance Company
Mathematics Secondary Education	Education	Kingwood Township School
Mathematics Secondary Education	Education	Northern Burlington County Regional Middle School
Mathematics Secondary Education	Education	West Morris Regional High School District

Mathematics Secondary Education	Education	West Windsor-Plainsboro Regional School District

FINAL TCNJ MAJOR	CE-INSTITUTION OVERALL
BIOLOGY	**46 REPORTED**
TCNJ MAJOR	**INSTITUTION**
Biology	Albert Einstein College Of Medicine
Biology	Arizona State University
Biology	Boston University
Biology	Case Western Reserve University
Biology	College of Saint Elizabeth
Biology	Columbia University
Biology	County College Of Morris
Biology	Georgetown University
Biology	Montclair State University
Biology	Nova Southeastern University
Biology	Pennsylvania State University
Biology	Pennsylvania State University
Biology	Rowan University
Biology	Rowan University
Biology	Rowan University
Biology	Rutgers University
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Biology	Rutgers University
Biology	Rutgers University
Biology	Seton Hall University
Biology	Temple University
Biology	Tufts University
Biology	Tulane University
Biology	University of California - Berkeley
Biology	University of Illinois at Chicago
Biology	University of Maryland
Biology	University of New England
Biology	University of North Carolina at Chapel Hill
Biology	University of North Carolina at Chapel Hill
Biology	University of Pennsylvania

Biology	University of Phoenix
Biology	Virginia Commonwealth University
Biology	Weill Cornell Graduate School of Medical Sciences
CHEMISTRY	**10 REPORTED**
TCNJ MAJOR	**INSTITUTION**
Chemistry	Lehigh University
Chemistry	Purdue University
Chemistry	Rowan University
Chemistry	Rowan University
Chemistry	Rutgers University
Chemistry	Rutgers University
Chemistry	University of North Carolina at Chapel Hill
Chemistry	University of North Carolina at Chapel Hill
Chemistry	West Virginia University
Chemistry	Yale University
COMPUTER SCIENCE	**4 REPORTED**
TCNJ MAJOR	**INSTITUTION**
Computer Science	Georgia Institute Of Technology
Computer Science	Georgia Institute Of Technology
Computer Science	Stevens Institute of Technology
Computer Science	University of Maryland
MATHEMATICS	**8 REPORTED**
TCNJ MAJOR	**INSTITUTION**
Mathematics	Boston University
Mathematics	Colorado State University
Mathematics	Drexel University
Mathematics	Pennsylvania State University
Mathematics	Rice University
Mathematics	Rutgers University
Mathematics	Rutgers University
Mathematics	University of Pennsylvania
MATHEMATICS SECONDARY EDUCATION	**2 REPORTED**
TCNJ MAJOR	**INSTITUTION**
Mathematics Second Education	Montclair State University
Mathematics Second Education	The College of New Jersey
PHYSICS	**7 REPORTED**
TCNJ MAJOR	**INSTITUTION**
Physics	Drexel University
Physics	Johns Hopkins University
Physics	Louisiana State University
Physics	Ohio State University
Physics	Pennsylvania State University
Physics	Princeton University
Physics	University of Nebraska-Lincoln