

## **May 2019 Graduate Future Plans Survey College of Sciences Summary Report**

This report presents summary results from the May 2019 Graduate Future Plans Survey for departments and types of degree programs in the College of Sciences, followed by summary information on employment and further education for the college as a whole.

### **Highlights for the College of Sciences**

- 55% of the doctoral and master's students in COS graduating in spring 2019 responded to the survey
- 64% of doctoral respondents and 36% of master's respondents in COS report that they have secured full-time employment for the coming year
- COS graduates with full-time employment report an average salary in the coming year of \$81,544 (median = \$75,000)
- 39% of COS graduates with full-time employment will be working in North Carolina (30% in the Research Triangle Area)
- 22% of master's students in COS report that they plan to return to graduate/professional school in the coming year, with all those having definite plans for graduate/professional school continuing at NC State

## Department Summaries

The following tables provide summary statistics for May 2019 graduates in the College of Sciences. Table 1 includes the number of graduate students in the College of Sciences who graduated in May 2019 and the number of those students who submitted the Graduate Future Plans Survey. It also includes the number of students who indicated at the time of the survey that they would be working full-time, as well as the number of those who indicated they were either pursuing or planning to pursue another graduate or professional degree in the coming year. Finally, it includes summary statistics on the self-reported salaries of those who reported that they would be employed full-time. Table 2 and Table 3 provide the same summary statistics for May 2019 graduates in each department in the College of Sciences, for doctoral graduates and master's graduates, respectively.

**Table 1: College Summary**

College	Survey Population	Survey Respondents	Response Rate	N Full Time Job	N Grad/Prof School*	25th Percentile Salary	Median Salary	75th Percentile Salary	Average Salary	N Reporting Salary
COS Overall	136	75	55%	34	11	57,500	75,000	92,500	81,544	34

**Table 2: Department Summaries, Doctoral Degree Recipients**

Department	Survey Population	Survey Respondents	Response Rate	N Full Time Job	N Grad/Prof School*	25th Percentile Salary	Median Salary	75th Percentile Salary	Average Salary	N Reporting Salary
College of Science Dean's Office	1	.	.	.	.	**	**	**	**	.
Biological Sciences	4	3	75%	1	.	**	**	**	**	1
Chemistry	9	7	78%	2	.	**	**	**	**	2
Marine, Earth and Atmospheric Sciences	4	3	75%	3	.	**	**	**	**	3
Mathematics	8	6	75%	6	.	47,500	52,500	62,500	57,500	6
Physics	7	5	71%	3	.	**	**	**	**	3
Statistics	5	1	20%	1	.	**	**	**	**	1
COS Doctoral Degree Recipients Overall	38	25	66%	16	.	50,000	60,000	75,000	65,625	16

\*Includes all students planning on going to graduate/professional school in the coming year for another degree, including those who were currently enrolled as of the time of the survey or who have been accepted to graduate/professional school and know where they will be going, as well as those who have been accepted to at least one school but have not yet finalized their plans, those who have applied but have not yet been accepted, and those who have not yet applied but plan to do so.

\*\*Statistics on salary information for those departments with fewer than 4 respondents reporting their salary have been excluded from the table.

**Table 3: Department Summaries, Master's Degree Recipients**

Department	Survey Population	Survey Respondents	Response Rate	N Full Time Job	N Grad/Prof School*	25th Percentile Salary	Median Salary	75th Percentile Salary	Average Salary	N Reporting Salary
Biological Sciences	7	3	43%	.	.	**	**	**	**	.
Chemistry	1	.	.	.	.	**	**	**	**	.
Marine, Earth and Atmospheric Sciences	8	3	38%	1	.	**	**	**	**	1
Mathematics	31	16	52%	2	7	**	**	**	**	2
Physics	3	.	.	.	.	**	**	**	**	.
Statistics	48	28	58%	15	4	67,500	87,500	117,500	94,833	15
<b>COS Master's Degree Recipients Overall</b>	<b>98</b>	<b>50</b>	<b>51%</b>	<b>18</b>	<b>11</b>	<b>67,500</b>	<b>87,500</b>	<b>117,500</b>	<b>95,694</b>	<b>18</b>

\*Includes all students planning on going to graduate/professional school in the coming year for another degree, including those who were currently enrolled as of the time of the survey or who have been accepted to graduate/professional school and know where they will be going, as well as those who have been accepted to at least one school but have not yet finalized their plans, those who have applied but have not yet been accepted, and those who have not yet applied but plan to do so.

\*\*Statistics on salary information for those departments with fewer than 4 respondents reporting their salary have been excluded from the table.

## Full-Time Employment (college overall)

Table 4: Name of Company/Organization, Doctoral Degree Recipients

	N
CIMMS at University of Oklahoma	1
Duke University	2
Evalueserve	1
Henry M. Jackson Foundation for the Advancement of Military Medicine	1
Intel	1
NIST	1
Northwestern University	1
ORNL	1
Scripps Institution of Oceanography	1
Taylor University	1
University of Minnesota	1
University of South Carolina Upstate	1
University of Vienna	1
Wake Forest University	1
Washington University in St. Louis	1

**Table 5: Name of Company/Organization, Master's Degree Recipients**

	N
Bank of America	1
Cigna	1
Cognigen Corporation	1
Duke Hospital	1
Environmental Protection Agency	1
Facebook	1
First Analytics	1
First Data	1
Gannett	1
Hallmark	1
IAT Insurance Group	1
Interra International	1
NC State University	1
National Institute of Aerospace	1
Qorvo	1
Talent Tech Consulting	1
US Military Academy	1

**Table 6: Location of Company (state), Doctoral Degree Recipients**

	N	%
North Carolina	4	27%
Maryland	2	13%
Oklahoma	1	7%
Oregon	1	7%
Illinois	1	7%
Tennessee	1	7%
California	1	7%
Indiana	1	7%
Minnesota	1	7%
South Carolina	1	7%
Missouri	1	7%

**Table 7: Location of Company (state), Master's Degree Recipients**

	N	%
North Carolina	9	50%
New Jersey	2	11%
New York	2	11%
Virginia	2	11%
California	1	6%
Georgia	1	6%
Missouri	1	6%

**Table 8: Region of Company (inside/outside NC Triangle), Doctoral Degree Recipients**

	N	%
Triangle	3	19%
Other NC	1	6%
Outside NC	12	75%

**Table 9: Region of Company (inside/outside NC Triangle), Master's Degree Recipients**

	N	%
Triangle	7	41%
Other NC	1	6%
Outside NC	9	53%

**Table 10: Job Title, Doctoral Degree Recipients**

	N
Assistant Professor	1
Assistant Professor of Mathematics	1
Bioinformatician II	1
MathCEP Assistant Professor (Teaching Postdoc)	1
Postdoctoral Associate	3
Postdoctoral Fellow	1
Postdoctoral Research Associate	4
Postdoctoral Researcher	1
Practice Expert Manager	1
Process Engineer	1
Visiting Assistant Professor	1

**Table 11: Job Title, Master's Degree Recipients**

	N
Atmospheric Modeling Support	1
Business Intelligence Analyst	1
Data Scientist	4
Freight Trade Specialist	1
IT Analyst, SR	1
Math Instructor	1
Research Associate	1
Research Scientist	1
SAS Programmer	1
Senior Application Analyst	1
Senior Engineer	1
Staff Development Engineer	1
Statistical Consultant	1
Statistician	1



**Table 12: Resources Used to Help Get/Locate Job, by Degree Received\***

	COS Overall		Doctoral		Master's	
	N	%	N	%	N	%
NC State faculty member	9	35%	9	56%	0	0%
Professional association (members, conferences, publications, etc.)	6	23%	6	38%	0	0%
Personal/professional connection(s) within the company	5	19%	3	19%	2	20%
Internet: LinkedIn	4	15%	2	13%	2	20%
Internet (Other)	4	15%	1	6%	3	30%
Student teaching experience	3	12%	3	19%	0	0%
Campus or college career center	2	8%	2	13%	0	0%
Career fair at NC State	2	8%	1	6%	1	10%
Internship/externship	2	8%	1	6%	1	10%
Family/friends/classmates/co-workers	2	8%	2	13%	0	0%
Applied for job via ePACK	1	4%	0	0%	1	10%
On-campus interviewing	1	4%	0	0%	1	10%
Career fair off campus	1	4%	1	6%	0	0%
Employer info session on campus	1	4%	1	6%	0	0%
Optional Practical Training (OPT)	1	4%	1	6%	0	0%
Staffing agency	1	4%	0	0%	1	10%
Consultation w/ NCSU Career Counselor/Coach	0	0%	0	0%	0	0%
Employer found resume on ePACK	0	0%	0	0%	0	0%
Co-op experience	0	0%	0	0%	0	0%
Clinical placement	0	0%	0	0%	0	0%
Volunteer work	0	0%	0	0%	0	0%
Other	1	4%	1	6%	0	0%

\*Respondents could select more than one resource.

\*\*Question was asked of those who indicated they would be employed full-time in a position they had obtained during their graduate program or at the time of graduation (i.e., excluding those who said they would be employed in a position they had obtained prior to beginning their graduate program).

## Further Education (college overall)

**Table 13: Status for Further Graduate/Professional School Attendance, Master's Degree Recipients (among those planning to attend)**

	N	%
Am already enrolled and pursuing the degree	9	82%
Have been accepted and know where I'm going	2	18%
Have been accepted but undecided	.	0%
Have applied, but not yet been accepted	.	0%
Have not applied but plan to do so within the next year	.	0%

Information provided in the tables below is collected and reported only for respondents who indicated that at the time of the survey they had been accepted to graduate/professional school to pursue another degree and were currently enrolled or knew where they would be going.

**Table 14: Name of Graduate/Professional School Students Will be Attending, Master's Degree Recipients**

	N
NC State University	11

**Table 15: Location of Graduate/Professional School Students Will be Attending, Master's Degree Recipients**

	N	%
North Carolina	11	100%

**Table 16: Type of Degree Pursuing, Master's Degree Recipients\***

	N	%
Doctoral	11	100%

**Table 17: Doctoral Degree Pursuing, Master's Degree Recipients**

	N
PhD	11

**Table 18: Academic Program, Master's Recipients\***

	N
Applied Math	2
Applied Mathematics	1
Mathematics	3
PhD in Animal Science	1
PhD in Statistics	1
Statistics	2
computer science	1

\*Academic program has not been cleaned. Responses are verbatim.

**For more information on the Graduate Future Plans Survey contact:**

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