

## **May 2020 Graduate Future Plans Survey College of Sciences Summary Report**

This report presents summary results from the May 2020 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**

- 71% of the doctoral and master's students in COS graduating in spring 2020 responded to the survey
- 86% of doctoral respondents and 25% 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 \$91,200 (median = \$87,500)
- 48% of COS graduates with full-time employment will be working in North Carolina (26% in the Research Triangle Area)
- 51% of master's students in COS report that they plan to return to graduate/professional school in the coming year
- 87% of master's students in COS with definite plans to graduate/professional school will be attending a school in North Carolina

## Department Summaries

The following tables provide summary statistics for May 2020 graduates in the College of Sciences. Table 1 includes the number of graduate students in the College of Sciences who graduated in May 2020 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 2020 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	102	72	71%	31	26	67,500	87,500	117,500	91,200	25

**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	3	3	100%	3	.	**	**	**	**	2
Biological Sciences	1	1	100%	.	.	**	**	**	**	.
Chemistry	9	7	78%	6	.	72,500	82,500	87,500	85,500	5
Marine, Earth and Atmospheric Sciences	1	1	100%	1	.	**	**	**	**	1
Mathematics	7	6	86%	6	.	72,500	110,000	117,500	100,833	6
Physics	1	1	100%	.	.	**	**	**	**	.
Statistics	4	2	50%	2	.	**	**	**	**	2
COS Doctoral Degree Recipients Overall	26	21	81%	18	.	67,500	95,000	122,500	94,063	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
College of Science Dean's Office	3	2	67%	1	.	**	**	**	**	1
Biological Sciences	3	3	100%	2	2	**	**	**	**	1
Mathematics	20	15	75%	3	8	**	**	**	**	3
Physics	6	3	50%	.	3	**	**	**	**	.
Statistics	44	28	64%	7	13	65,000	92,500	133,750	99,375	4
COS Master's Degree Recipients Overall	76	51	67%	13	26	67,500	72,500	117,500	86,111	9

\*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
A-Pharma	1
Arizona State University	1
Brighthouse Financial	1
Elon University	1
ExxonMobil	1
General Dynamics Information Technology	1
GlaxoSmithKline	1
IBM	1
Johns Hopkins University Applied Physics Laboratory	1
KBI Biopharma Inc.	1
National Oceanic and Atmospheric Administration	1
NetApp	1
Princeton University	1
SAS Institute	1
Simulations Plus, Inc.	1
University of Maryland / National Institute of Standards and Technology	1
Wells Fargo	1

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

	N
Advance Auto Parts	1
Brown Environmental Services Corporation	1
Cumberland County Schools	1
Doylestown Health	1
KTCU-FM	1
Labcorp	1
Microsoft	1
National Board for Certified Counselors	1
Parker-Hannifin Corporation	1
Rho Inc	1
State Employee's Credit Union	1
Swyfft Insurance	1
University of Zurich	1

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

	N	%
North Carolina	8	44%
Maryland	2	11%
New Jersey	1	6%
District of Columbia	1	6%
Pennsylvania	1	6%
Louisiana	1	6%
Arkansas	1	6%
Texas	1	6%
California	1	6%
Arizona	1	6%

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

	N	%
North Carolina	6	55%
Colorado	1	9%
Pennsylvania	1	9%
Not applicable - Multiple states	1	9%
Ohio	1	9%
Washington	1	9%

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

	N	%
Other NC	4	22%
Outside NC	10	56%
Triangle	4	22%

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

	N	%
Other NC	2	15%
Outside NC	7	54%
Triangle	4	31%



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

	N
Analytics Software Tester	1
Analyzer Engineer	1
Cheminformatics Postdoc	1
Data Analyst	1
Data Scientist	2
Engineering Product Support	1
Lecturer in Mathematics and Statistics	1
Marine Policy Fellow	1
Postdoctoral Associate	1
Postdoctoral Research Associate	1
Postdoctoral Research Scholar	1
Principal Statistician	1
Process Chemist	1
Quantitative Analytics Specialist	1
Scientist	1
Scientist I	1
Staff Scientist	1

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

	N
Bat Acoustics Technician	1
Clinical Data Manager I	1
Corporate Master Black Belt and Quality Assurance Manager	1
Data Scientist	1
Financial Modeling Analyst	1
Manager	1
Ph.D. Student	1
Psychometrician	1
Research Associate III	1
Software Engineer	1
Strategic Data Scientist	1
Teacher	1
VP - Pricing and Underwriting	1

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

	COS Overall		Doctoral		Masters	
	N	%	N	%	N	%
Internship/externship	9	50%	7	50%	2	50%
Professional association (members, conferences, publications, etc.)	9	53%	7	50%	2	67%
Research assistantship	6	35%	6	43%	0	0%
NC State faculty member	6	35%	6	43%	0	0%
Personal/professional connection(s) within the company	5	28%	3	21%	2	50%
Internet: LinkedIn	5	29%	4	29%	1	33%
Career fair at NC State	3	18%	3	21%	0	0%

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

	COS Overall		Doctoral		Masters	
	N	%	N	%	N	%
Teaching assistantship	3	18%	3	21%	0	0%
Campus or college career center	2	12%	2	14%	0	0%
Consultation w/NC State Career Counselor/Coach	2	12%	2	14%	0	0%
Co-op experience	2	12%	1	7%	1	33%
Internet (Other)	2	12%	1	7%	1	33%
Employer found resume on ePACK	1	6%	1	7%	0	0%
Career fair off campus	1	6%	1	7%	0	0%
Optional Practical Training (OPT)	1	6%	1	7%	0	0%
Student teaching experience	1	6%	1	7%	0	0%
Volunteer work	1	6%	0	0%	1	33%
Family/friends/classmates/co-workers	1	6%	1	7%	0	0%
Applied for job via ePACK	0	0%	0	0%	0	0%
On-campus interviewing	0	0%	0	0%	0	0%
Employer info session on campus	0	0%	0	0%	0	0%
Clinical placement	0	0%	0	0%	0	0%
Staffing agency	0	0%	0	0%	0	0%
Other	2	12%	0	0%	2	67%

\*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	19	73%
Have applied, but not yet been accepted	.	0%
Have been accepted and know where I'm going	4	15%
Have been accepted but undecided	.	0%
Have not applied but plan to do so within the next year	3	12%

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	18
University of Maryland at College Park	1
University of North Carolina at Chapel Hill	1
University of North Carolina at Wilmington	1
University of Zurich	1
Virginia Polytechnic Institute and State University	1

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

	N	%
North Carolina	20	87%
Maryland	1	4%
Outside United States	1	4%
Virginia	1	4%

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

	N	%
Master's	0	0%
Doctoral	21	91%
Professional	0	0%
Other	1	4%

\*Respondents could select more than one degree.

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

	N
PhD	20

**Table 18: Other Degree Pursuing, Master's Degree Recipients**

	N
Add-on License for School Administration	1

**Table 19: Academic Program, Master's Recipients\***

	N
Applied Mathematics	1
Bioinformatics	1
Educational Leadership / Add-on License for School Administration	1
Mathematics	4
Physics	3
Plant Sciences	1
Psychology	1
Statistics	8
statistics	1

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