

May 2019 Graduate Future Plans Survey College of Agriculture and Life 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 Agriculture and Life Sciences, followed by summary information on employment and further education for the college as a whole.

Highlights for the College of Agriculture and Life Sciences

- 55% of the doctoral and master's students in CALS graduating in spring 2019 responded to the survey
- 68% of doctoral respondents and 40% of master's respondents in CALS report that they have secured full-time employment for the coming year
- CALS graduates with full-time employment report an average salary in the coming year of \$58,667 (median = \$57,500)
- 68% of CALS graduates with full-time employment will be working in North Carolina (46% in the Research Triangle Area)
- 27% of master's students in CALS report that they plan to return to graduate/professional school in the coming year, with two-thirds of those having confirmed plans attending a school in North Carolina

Department Summaries

The following tables provide summary statistics for May 2019 graduates in the College of Agriculture and Life Sciences. Table 1 includes the number of graduate students in the College of Agriculture and Life 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 Agriculture and Life 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
CALS Overall	189	103	55%	47	40	42,500	57,500	72,500	58,667	45

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
Agricultural and Human Sciences	1	1	100%	1	.	**	**	**	**	1
Agricultural and Resource Economics	3	2	67%	2	.	**	**	**	**	2
Animal Science	5	3	60%	3	.	**	**	**	**	3
Applied Ecology	1	1	100%	1	.	**	**	**	**	1
Biological and Agricultural Engineering	6	3	50%	2	.	**	**	**	**	2
Crop and Soil Science	1	1	100%	.	.	**	**	**	**	.
Entomology and Plant Pathology	7	5	71%	2	.	**	**	**	**	2
Food, Bioprocessing, and Nutrition Sciences	4	2	50%	1	.	**	**	**	**	1
Horticultural Science	2	1	50%	1	.	**	**	**	**	1
Molecular and Structural Biochemistry	3	1	33%	.	.	**	**	**	**	.
Prestage Dept of Poultry Science	2	2	100%	2	.	**	**	**	**	1
CALS Doctoral Degree Recipients Overall	35	22	63%	15	.	47,500	65,000	82,500	68,571	14

*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
Agricultural and Human Sciences	12	8	67%	4	.	35,000	42,500	50,000	42,500	4
Agricultural and Resource Economics	4	2	50%	.	.	**	**	**	**	.
Animal Science	6	4	67%	1	3	**	**	**	**	1
Biological and Agricultural Engineering	5	4	80%	4	.	60,000	70,000	80,000	70,000	4
Crop and Soil Science	8	4	50%	3	1	**	**	**	**	3
Entomology and Plant Pathology	5	4	80%	.	3	**	**	**	**	.
Food, Bioprocessing, and Nutrition Sciences	13	6	46%	2	1	**	**	**	**	1
Horticultural Science	11	4	36%	1	.	**	**	**	**	1
Molecular and Structural Biochemistry	3	1	33%	.	.	**	**	**	**	.
Plant and Microbial Biology	17	10	59%	8	5	55,000	62,500	70,000	60,313	8
Prestage Dept of Poultry Science	70	34	49%	9	27	27,500	32,500	67,500	46,944	9
CALS Master's Degree Recipients Overall	154	81	53%	32	40	37,500	52,500	67,500	54,194	31

*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
Cargill Inc.	1
House of Raeford/Nash Johnson and Sons' Farms Inc.	1
Korean Ministry of Economy and Finance	1
Michigan State University	1
NC State University	2
NCDA	1
National Agricultural Research Organization - Uganda	1
Texas A&M University	2
The Coca-Cola Company	1
US Geological Survey	1
University of California San Diego and Scripps Institution of Oceanography	1
WFU	1
Wake Technical Community College	1

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

	N
Arc Surveying and Mapping	1
Belcan Engineering	1
Birth Tissue Recovery	1
Blue Mountain Flavors	1
Bluebird Bio	1
Boehringer Ingelheim	1
Boragen	1
Camp Oak Hill	1
Capital One	1
Chiesi USA	1
Clayton Animal Hospital	1
Duke University	1
Elanco	1
Epic	1
IHS Markit	1
Infosys	1
Kris Bass Engineering	1
Louisa County Public Schools	1
NC Retina Associates	1
NC State University	3
NIEHS	1
Next Century Spirits	1
Treehouse Foods	1
UNC Hospitals	1

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

	N
USDA Natural Resources Conservation Service	1
United Therapeutics	1
Virginia Cooperative Extension	1
WSP	1

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

	N	%
North Carolina	7	54%
Texas	2	15%
California	1	8%
Georgia	1	8%
Michigan	1	8%
Ohio	1	8%

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

	N	%
North Carolina	23	74%
Virginia	3	10%
Florida	1	3%
Georgia	1	3%
Indiana	1	3%
Nebraska	1	3%
Wisconsin	1	3%

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

	N	%
Triangle	4	27%
Other NC	3	20%
Outside NC	8	53%

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

	N	%
Triangle	17	55%
Other NC	6	19%
Outside NC	8	26%

Table 10: Job Title, Doctoral Degree Recipients

	N
Assistant Professor and Extension Specialist	1
Biology Instructor	1
County Extension Director	1
Director	1
Hydrologist	1
Nutritionist	1
Plant Pathologist	1
Postdoctoral Fellow	1
Postdoctoral Researcher	2
Poultry Nutritionist	1
Research Associate	1
Research Officer	1
Scientist	1
Visiting Instructor of Economics	1

Table 10: Job Title, Master's Degree Recipients

	N
4-H Extension Agent	1
Animal Research Technician	1
Associate Software Engineer	1
Business Analyst	1
Business Development Consultant	1
Chemist 4	1
County Extension Director	1
Ecological Engineer	1
Engineer II	1
Food Scientist	1
Genetic Engineer	1
Global Markets Intelligence - Associate	1
High School Agriculture Teacher	1
Medical Affairs Associate	1
N/A	1
NA 1	1
Ophthalmologist Technician	1
Parents As Teachers Educator	1
Product Development Intern	2
Professional Land Surveyor / Coastal Remote Sensing Specialist	1
Program Coordinator	1
Program Manager	1
Project Manager	1
QC Microbiologist	1

Table 10: Job Title, Master's Degree Recipients, *continued*

	N
Quality Assurance Coordinator	1
Research Technician	2
Soil Conservationist	1
Veterinary Assistant	1
Water Resources Engineer	1

Table 11: Resources Used to Help Get/Locate Job, by Degree Received*

	CALs Overall		Doctoral		Master's	
	N	%	N	%	N	%
Personal/professional connection(s) within the company	12	35%	5	38%	7	33%
NC State faculty member	9	26%	7	54%	2	10%
Internship/externship	6	18%	2	15%	4	19%
Professional association (members, conferences, publications, etc.)	6	18%	5	38%	1	5%
Internet (Other)	6	18%	3	23%	3	14%
Internet: LinkedIn	5	15%	1	8%	4	19%
Optional Practical Training (OPT)	3	9%	3	23%	0	0%
Family/friends/classmates/co-workers	3	9%	0	0%	3	14%
Campus or college career center	2	6%	1	8%	1	5%
Student teaching experience	2	6%	2	15%	0	0%
Employer found resume on ePACK	1	3%	0	0%	1	5%
On-campus interviewing	1	3%	0	0%	1	5%
Career fair at NC State	1	3%	0	0%	1	5%
Employer info session on campus	1	3%	1	8%	0	0%
Co-op experience	1	3%	0	0%	1	5%
Volunteer work	1	3%	1	8%	0	0%
Consultation w/ NCSU Career Counselor/Coach	0	0%	0	0%	0	0%
Applied for job via ePACK	0	0%	0	0%	0	0%
Career fair off campus	0	0%	0	0%	0	0%
Clinical placement	0	0%	0	0%	0	0%
Staffing agency	0	0%	0	0%	0	0%
Other	3	9%	2	15%	1	5%

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

	N	%
Am already enrolled and pursuing the degree	5	13%
Have been accepted and know where I'm going	16	40%
Have been accepted but undecided	2	5%
Have applied, but not yet been accepted	3	8%
Have not applied but plan to do so within the next year	14	35%

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

	N
Barry University	1
Boston University	1
Campbell School of Osteopathic Medicine	1
East Carolina School of Dental Medicine	2
Methodist University	1
NC State University	7
St. Georges University SOM	1
Texas A&M University	1
Tufts University School of Dental Medicine	1
UNC Adams School of Dentistry	1
University of Georgia	1
Virginia Commonwealth University	1
Wake Forest University	1

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

	N	%
North Carolina	14	67%
Massachusetts	2	10%
Florida	1	5%
Georgia	1	5%
Outside United States	1	5%
Texas	1	5%
Virginia	1	5%

Table 15: Type of Degree Pursuing, Master's Degree Recipients*

	N	%
Master's	7	33%
Doctoral	4	19%
Professional	10	48%
Other	1	5%

*Respondents could select more than one degree.

Table 16: Master's Degree Pursuing, Master's Degree Recipients

	N
MBA	4
MCMSc	1
MHS	1
MSA	1

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

	N
PhD	4

Table 18: Professional Degree Pursuing, Master's Degree Recipients

	N
DDS	5
DO	1
MD	2
PA	2

Table 19: Academic Program, Master's Recipients*

	N
Animal and Poultry Science	1
D.M.D.	2
Dental assistant	1
Dentistry	2
Doctor of Dental Surgery	1
Doctor of Medicine	1
MBA	3
Master of Clinical Medical Science (Physician Assistant)	1
Master of Science in Analytics (MSA), Advanced Analytics	1
Medicine	1
Osteopathic Medicine	1
PA Studies	1
Physician Assistant studies	1
Physiology of Reproduction PhD program	1
Plant Pathology	1
Professional Evening MBA	1
phd crop science	1

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

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