

May 2019 Undergraduate Future Plans Survey College of Sciences Summary Report

This report presents summary results from the May 2019 Undergraduate Future Plans Survey for departments 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

- 57% of seniors in COS graduating in spring 2019 responded to the survey
- 27% of respondents in COS said they had obtained a full-time position by graduation
- COS graduates with full-time employment (excluding internships) reported an average starting salary of \$39,276 (median = \$36,250)
- 66% of COS graduates with full-time employment said they would be working in North Carolina (51% in the Research Triangle Area)
- 46% of respondents in COS indicated they were planning to go to graduate/professional school in the year after graduation
- 56% of COS graduates with definite plans for graduate/professional school said they would be attending a school in North Carolina

Department Summaries

The following table provides summary statistics for May 2019 graduates in each of the College of Sciences departments. It includes the number of students in the department who graduated in May 2019 and the number of those students who submitted the Undergraduate Future Plans Survey. It also includes the number of students who indicated that at the time of the survey they had already accepted a full-time position (including military and volunteer work [e.g., Peace Corps]), and the number who indicated they were either attending or planning on attending graduate or professional school in the coming year. Finally, it includes summary statistics on the self-reported salaries of those having accepted full-time employment.

Table 1: Department Summaries

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	282	163	57.8%	43	81	21,250	31,250	36,250	30,743	37
Chemistry	22	11	50.0%	2	5	**	**	**	**	2
Marine, Earth and Atmospheric Sciences	31	20	64.5%	5	6	33,750	37,500	42,500	38,125	4
Mathematics	37	17	45.9%	6	6	31,250	51,250	83,750	57,292	6
Physics	18	11	61.1%	3	4	**	**	**	**	3
Statistics	32	18	56.3%	5	9	71,250	71,250	76,250	71,250	5
COS Overall	422	240	56.9%	64	111	23,750	36,250	46,250	39,276	57

*Includes all students planning on going to graduate/professional school in the coming year, including those 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 2: Name of Company/Organization

	N
AccuWeather	1
American Institutes for Research	1
Applied Research Associates	1
Backroads	1
Bald Head Island Conservancy	1
Biogen	1
Cary Dermatology	1
Cisco	1
Conservancy of Southwest Florida	1
Department of Justice	1
Dollinger and Tove	1
Dublin Conservation Center	1
Duke Human Vaccine Institute	1
Duke University	1
Environment NC	1
Eurofins	1
Facebook	1
Fidelity Investments	1
Fossil Rim Wildlife Center	1
Hey Clinic for Spine and Scoliosis Care	1
Hoyo Lab	1
Huvepharma	1

Table 2: Name of Company/Organization, continued

	N
IBM	1
LifeBrite Community Hospital	1
LifeNet Health	1
Lowcountry Preparatory School	1
Maximina Yun Laboratory	1
MedScribes	1
MedServe	1
NC State University	2
NSI Lab Solutions	2
NeighborHealth Center	1
Northwestern University	1
Northwood Animal Hospital	1
Oak City Labs	1
Operative Flow Technologies	1
PT Solutions	1
Peace Corps	1
Pfizer	1
PharPoint Research	1
Quicken Loans	1
RDU/FAA and Early Alert	1
Racine Zoo	1
SAS	1
SGS Life Sciences	1
STEM for Kids	1
Stewart	1

Table 2: Name of Company/Organization, continued

	N
Target PharmaSolutions	1
The Boeing Company	1
The Summit Church	1
Town and Country Animal Care	1
US Food and Drug Administration	1
US Geological Survey	1
US Marine Corps	1
US Navy	1
USDA	1
USMC	1
Wake Forest Dermatology	1
Whitley Logistics	1
Young and Polite Children's Dentistry	1

Table 3: Location of Company (state)

	N	%
North Carolina	38	65.5
Florida	2	3.4
South Carolina	2	3.4
Virginia	2	3.4
California	1	1.7
District of Columbia	1	1.7
Illinois	1	1.7
Maryland	1	1.7
Massachusetts	1	1.7
Michigan	1	1.7

Table 3: Location of Company (state), continued

	N	%
New Jersey	1	1.7
Oregon	1	1.7
Pennsylvania	1	1.7
South Dakota	1	1.7
Texas	1	1.7
Washington	1	1.7
Wisconsin	1	1.7
Not sure	1	1.7

Table 4: Region of Company (inside/outside NC Triangle)

	N	%
Triangle	31	50.8
Outside NC	23	37.7
Other NC	7	11.5

Table 5: Job Title

	N
Analytical Chemist	1
Camp Counselor	1
Clinical Data Abstractor	1
College Staff	1
Conservation Education Intern	1
Conservation Research Intern	1
Data Scientist	1
Data Warehouse Developer	1
ED Technician	1

Table 5: Job Title, *continued*

	N
Ecological Field Technician	1
GIS Office Technician	1
Graduate Research Assistant	1
High School Math Teacher	1
Husbandry Technician	1
ITCFP	1
Implementation Specialist	1
Junior Software Engineer	1
Kennel Assistant	1
Kennel Technician	1
Lab Technician	1
Laboratory Assistant	1
Manufacturing Associate II	1
Marine Officer	1
Medical Assistant	6
Meteorologist I (Operational Forecaster)	1
Microbiologist	1
Microbiologist I	1
Microbiology Department Supervisor	1
North Carolina Policy Fellow	1
Officer	1
PLM Analyst	1
Patient Services Coordinator	1
Postbaccalaureate Research Fellow	1
Public Health Educator	1

Table 5: Job Title, *continued*

	N
RDU Weather Observer	1
Research Assistant	1
Research Technician	2
Research Technician I	1
Research Technician II	1
Science Assessment Writer	1
Scribe and Research Technician	1
Software Developer	2
Software Engineer	2
South Dakota Plague Crew Field Technician	1
Statistical Programmer II	1
Sterilization/Assistant	1
Student Naval Aviator	1
Summer Educator	1
Technical Solutions Specialist	1
Technician	1
Trip Leader	1
Validation Specialist	1
Visiting Researcher	1
Wildlife Rehab Intern	1

Table 6: Resources Used to Help Get/Locate Job*

	N	%
Internship/externship	23	35.9
Internet: Other	15	23.4
Volunteer work	10	15.6
Family/friends/classmates/co-workers	10	15.6
LinkedIn	10	15.6
Campus or college career center	8	12.5
Applied for job via ePack	8	12.5
Personal connection(s) within the company	8	12.5
Faculty member or found job listing in an NC State dept	7	10.9
Consultation with NC State Career Counselor/Coach	4	6.3
Career fair at NC State	4	6.3
Staffing agency	4	6.3
Employer info session on campus	3	4.7
Professional society	3	4.7
Career fair off campus	2	3.1
Student teaching experience	2	3.1
Employer found resume on ePack	1	1.6
On-campus interviewing	1	1.6
Co-op experience	1	1.6
Other	5	7.8

*Respondents could select more than one resource.

Further Education (college overall)

Table 7: Status for Graduate/Professional School Attendance (among those planning to attend)

	N	%
Have been accepted and know where I'm going	87	78.4
Have been accepted but undecided	4	3.6
Have applied, but not yet been accepted	1	0.9
Have not applied but plan to do so within the next year	19	17.1

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 and knew where they would be going.

Table 8: Name of Graduate/Professional School Students will be Attending

	N
Auburn University	1
Campbell University	3
Case Western Reserve University Medical School	1
Columbia University	2
Des Moines University	1
Duke University	3
East Carolina University	3
Emory University	1
Florida State	1
George Washington University	1
High Point University	1
KCL	1
Louisiana State University	1
Louisville School of Dentistry	1

Table 8: Name of Graduate/Professional School Students will be Attending, *continued*

	N
Medical University of South Carolina	3
Montana State University	1
NC State University	26
Northeastern University	1
Notre Dame	1
Palmer College of Chiropractic	1
Saint Louis University School of Medicine	1
Salus University	1
Sam Houston State University	1
TAMU	1
The Ohio State University College of Veterinary Medicine	1
The University of Pittsburgh	1
UNC Chapel Hill	8
UNC Charlotte	1
UNC Wilmington	1
UTK	1
University of Alaska - Anchorage	1
University of Cambridge	1
University of Glasgow	1
University of Louisville School of Dentistry	1
University of Maryland at Baltimore	1
University of Michigan	1
University of Pennsylvania	1
University of South Carolina	1

Table 8: Name of Graduate/Professional School Students will be Attending, *continued*

	N
University of Wisconsin-Madison	1
Virginia Commonwealth University	4
Wake Forest University	1
Western Carolina University	2

Table 9: Location of Graduate/Professional School Students will be Attending

	N	%
North Carolina	49	56.3
South Carolina	4	4.6
Virginia	4	4.6
Outside United States	3	3.4
Pennsylvania	3	3.4
Florida	2	2.3
Kentucky	2	2.3
New York	2	2.3
Ohio	2	2.3
Texas	2	2.3
Alabama	1	1.1
Alaska	1	1.1
District of Columbia	1	1.1
Georgia	1	1.1
Indiana	1	1.1
Iowa	1	1.1
Louisiana	1	1.1
Maryland	1	1.1
Massachusetts	1	1.1

Table 9: Location of Graduate/Professional School Students will be Attending, *continued*

	N	%
Michigan	1	1.1
Missouri	1	1.1
Montana	1	1.1
Tennessee	1	1.1
Wisconsin	1	1.1

Table 10: Type of Degree Pursuing*

	N	%
Master's	43	49.4
Doctoral	17	19.5
Professional	27	31.0
Other	2	2.3

*Respondents could select more than one degree.

Table 11: Master's Degree

	N
MA	1
MAC	2
MBS	1
MFS	1
MMB	5
MPH	4
MPhil	1
MR	4
MS	21
MSA	3

Table 12: Doctoral Degree

	N
PhD	17

Table 13: Professional Degree

	N
DC	1
DDS	6
DO	3
DOT	1
DPM	1
DPT	5
DVM	3
MD	2
OD	1
OTD	1
PA	1
PharmD	2

Table 14: Other Degree

	N
ABSN	2

Table 15: Academic Program*

	N
ABSN	1
Advanced Analytics	2
Applied Analytics	1
Atmospheric science	1
Bioethics	1
Bioinformatics	1
Biology	2
Biology M.R.	1
Biomanufacturing MS	1
CALS Master of Microbial Biotechnology	1
Chemistry	1
College of Health Professions (OTD Program)	1
College of Podiatric Medicine and Surgery	1
Combined DVM/PhD in Microbiology	1
Dentistry	2
Doctor of Chiropractic	1
Doctor of Dental Surgery	1
Doctor of Physical Therapy	4
Doctoral Occupational Therapy Program	1
Doctoral of Dental Medicine	1
Doctorate of Pharmacy	1
Earth Sciences, MS	1
Entomology	1
Environmental Health	1

Table 15: Academic Program*, continued

	N
Forensic Chemistry	1
Genetic Counseling	2
Geography	1
Global Health	1
Human Biology	1
Human Genetics	1
M.R. Biostatistics	1
MPH	1
MPhil Bioscience Enterprise	1
MSA from IAA at NCSU	1
MSc Medical Genetics and Genomics	1
Marine Science	1
Master in Microbial Biotechnology	3
Master of Medical Science in Anesthesia	1
Master of Science in Analytics	1
Master's in Biology	1
Masters in Analytics	1
Masters of Biomedical Science(MBS)	1
Masters of Public Health in Sociomedical Sciences	1
Masters of Science in Accounting	1
Mathematics	2
Mechanical Engineering	1
Medical School	1
Medicine	3
Microbial Biotechnology	1

Table 15: Academic Program*, continued

	N
Microbiology Ph.D.	1
Microbiology and Immunology	1
Neuroscience	1
Nursing	1
Optometry	1
Organic Chemistry	1
Osteopathic Medical Program	1
PhD - Marine and Environmental Sciences	1
Physical Chemistry Ph.D program	1
Physical therapy	1
Physician Assistant Program	1
Physics	2
Physiology	1
Planetary Geology	1
Program in Biomedical Sciences	1
Psychology PhD Human Factors/Applied Cognition	1
School of Dental Medicine	1
School of Dentistry	1
Statistics	2
Veterinary Medicine	2
financial	1
mathematics	1
toxicology	1

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

For more information on the Undergraduate Future Plans Survey contact:

Suzanne Crockett, Assistant Director for Survey Research

Office of Institutional Research and Planning

NCSU Box 7002

Phone: (919) 515-6438

Email: sacrocke@ncsu.edu