

December 2017 Future Plans Survey College of Engineering Summary Report

This report presents summary results from the December 2017 Future Plans Survey for departments in the College of Engineering, followed by summary information on employment and further education for the college as a whole.

Department Summaries

The following table provides summary statistics for December 2017 graduates in each of the College of Engineering departments. It includes the number of students in the department who graduated in December 2017 and the number of those students who submitted the 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 Reported Salary
Chemical Engineering	20	10	50.0%	9	.	68,750	71,250	73,750	70,972	9
Civil, Construction, and Envir Engr	67	44	65.7%	39	.	56,250	57,500	61,250	57,171	38
Computer Science	68	42	61.8%	26	2	66,250	71,250	76,250	71,196	23
Electrical & Computer Engr	78	64	82.1%	36	14	61,250	71,250	71,250	65,893	35
Fitts Dept Indust & Syst Engr	16	15	93.8%	9	1	61,250	66,250	71,250	63,194	9
Materials Sci & Engr	4	3	75.0%	1	1	**	**	**	**	1
Mechanical & Aerospace Engr	58	35	60.3%	20	2	61,250	66,250	71,250	64,145	19
Nuclear Engineering	2	1	50.0%	1	.	**	**	**	**	1
Total	314	214	68.2%	141	20	58,750	63,750	71,250	63,852	135

[†]Departments with no graduates responding to the survey have been excluded from the table.

*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
ABB Inc.	1
AECOM	1
Accenture	2
Adrenaline Autosound	1
Aerotek	1
AgData	1
Allied Telesis	1
Altec Industries	3
Amazon	1
AmeriCorps	1
American Buildings Company	1
American Tower Corporation	1
Andritz	1
Arete Engineers	1
Bank of America	2
Bethesda Game Studios	2
Black & Veatch	2
Blackbaud	1
Brasfield & Gorrie	1
Bridgestone	1
CRB Consulting Engineers	1
Capital One	1
Carbon	1

Table 2: Name of Company/Organization, continued

	N
Carolina Solar Services	1
Caterpillar	1
ChannelAdvisor	1
Cisco	1
Citrix	2
Corning, Inc.	1
Credit Suisse	2
Cree	1
Cru	1
Cummins	1
Cumulus Networks	1
DAVENPORT	1
DENSO Manufacturing	1
Dell	1
Deloitte	1
DuPont	1
Duke Energy	5
Eli Lilly and Company	1
Fidelity Investments	4
Fortive	1
Freese & Nichols	1
GE	1
GE Aviation	1
Georgia-Pacific	1
HNTB	1

Table 2: Name of Company/Organization, continued

	N
Henkel Corporation	1
Hipp Engineering & Consulting	1
Huntington Ingalls	1
ITRE	1
Infosys	2
International Paper	3
Ipreo	1
JDS Consulting and Design	1
John Deere	2
Jones & Crossen Engineering	1
Kimley-Horn	2
Lynch Mykins Structural Engineers	1
MapAnyThing	1
McKim&Creed	1
Merck	1
Messer Construction	1
Metrocon	1
Michelin	1
Mid-Atlantic Crane	1
NAVAIR	1
NCDOT	4
NSA	1
Naval Air Systems Command	1
Northrop Grumman	1
Nutanix	1

Table 2: Name of Company/Organization, continued

	N
Parker Construction Group	1
Power Grid Engineering, LLC	1
Prometheus Group	1
Pureflow Inc.	1
RE Mason Company	1
RS&H	1
RTI International	1
Raytheon	1
Red Hat	1
S&ME	1
SAS	6
SPX Transformer Solutions	1
Samet Corporation	1
Samsung	1
Sanford Contractors	1
Sensus, A Xylem Brand	1
Siemens	2
Skanska USA	1
SmallHD	1
Stalite	1
Stantec Consulting, Ltd.	1
Techtronic Industries Power Equipment	1
Timmons Group	1
Tower Engineering Professionals	1
Troxler Electronic Laboratories Inc.	1

Table 2: Name of Company/Organization, continued

	N
US Air Force	1
US Navy	4
VHB	2
Volvo Trucks	1
W.K. Dickson & Co., Inc.	1
WillowTree	1
Withers Ravenel	1

Table 3: Location of Company (state)

	N	%
North Carolina	104	74.3
Maryland	5	3.6
South Carolina	5	3.6
Virginia	4	2.9
Florida	3	2.1
Georgia	2	1.4
Indiana	2	1.4
Wisconsin	2	1.4
Ohio	2	1.4
Louisiana	2	1.4
Pennsylvania	1	0.7
Tennessee	1	0.7
Kentucky	1	0.7
Massachusetts	1	0.7
Not sure	5	3.6

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

	N	%
Triangle	74	55.6
Outside NC	31	23.3
Other NC	28	21.1

Table 5: Job Title

	N
Aeronautical Engineer	1
AmeriCorps VISTA	1
Analyst	1
Analytics	1
Applications Engineer	2
Assistant Project Manager	1
Assistant Superintendent	1
Assoc Engineer-Prod Dev	1
Associate	2
Associate Programmer	1
Associate Software Developer	2
Associate Software Engineer	1
Associate Web Developer	1
Business Technology Analyst	1
Civil Analyst	1
Civil Designer	1
Civil/Structural Engineer I	1
Computer Systems Engineer	1
Data Analyst	2

Table 5: Job Title, continued

	N
Design Engineer	2
Digital IT Intern	1
E.I.	1
Electrical Design Engineer	1
Electrical Engineer	1
Electrical Engineer 1	1
Electronics Engineer	2
Engineer	3
Engineer 1	4
Engineer 1 - Supervisory Control and Data Acquisition	1
Engineer I	1
Engineer Intern	1
Engineer in Training	1
Engineering Associate	1
Engineering Development Program	1
Engineering Development Program Engineer	1
Engineering Support	1
Ensign, USN	1
Entry Level Engineer	1
Entry Level Geotechnical Engineer	1
Environmental Analyst	1
Field Engineer	1
Field Staff	1
Global Technology Analyst	1

Table 5: Job Title, continued

	N
Hardware/RF Engineer	1
Innovation Partnership Manager	1
Instrumentation & Controls Engineer I	1
Integration Manager	1
Junior Software Engineer	2
Leadership Development Program - Technology Stream	1
Manufacturing Engineer	3
Manufacturing Engineer I	1
Mechanical Engineer	1
Mobile Application Developer	1
NPD Electrical Engineer	1
Naval Officer	1
Nuclear Propulsion Engineer	1
Nuclear Prototype Unit Instructor	1
OMLP	1
Officer Candidate	1
Optimization Engineer	1
Performance Engineer	1
Process Engineer	2
Product Manager	1
Production Engineer	1
Professional Development Program	1
Programming Contractor	1
Project Engineer	5

Table 5: Job Title, continued

	N
Project Engineer I	2
Project Manager	1
Project/Field Engineer	1
Protection & Control Engineer	1
Quality Process Engineer	1
REACH Engineer	1
RF/Microwave Design Engineer	1
Requirements Engineer	1
Research Assistant	1
Roadway Design Engineer I	1
Rotational Program Associate	1
Software Development Engineer	1
Software Engineer	9
Software Engineer I	1
Software QA Engineer	1
Software Tester	1
Staff Professional 1	1
Structural Designer	1
Structural Engineer	2
Structural Engineer 1	2
Structural Engineer EIT	1
Superintendent	1
Systems Developer	1
Systems Engineer/Lifecycles Engineer	1
Systems Integration Engineer	1

Table 5: Job Title, *continued*

	N
Systems Reliability Engineer	1
Technical Analyst	2
Technical Consultant	2
Technical Manufacturing Rotational Associate	1
Technical Support Engineer	1
Technical Writer Assistant	1
Technology Analyst	3
Traffic Engineer	1
Transportation Engineering Assistant	1
Transportation Engineering Associate	2
Transportation Planner	1
Verification Engineer	1

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

	N	%
Internship/externship	81	57.4
Career fair at NC State	66	46.8
Applied for job via ePack	39	27.7
Co-op experience	37	26.2
On-campus interviewing	30	21.3
Career Development Center	28	19.9
Personal connection(s) within the company	26	18.4
Family/friends/classmates/co-workers	20	14.2
Internet: Other	14	9.9
LinkedIn	13	9.2
Employer info session on campus	10	7.1
Faculty member or found job listing in an NC State dept	8	5.7
Employer found resume on ePack	7	5.0
Professional society	6	4.3
Consultation with NCSU Career Counselor/Coach	4	2.8
Career fair off campus	3	2.1
Student teaching experience	3	2.1
Staffing agency	2	1.4
Other	11	7.8

*Respondents could select more than one resource.

Further Education (college overall)

Information on graduate/professional school name, school location, and degree pursuing 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 definitely knew where they would be going.

Table 7: Name of Graduate/Professional School Students will be Attending

	N
Auburn University	1
Carnegie Mellon University	1
NC State University	14

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

	N	%
North Carolina	14	87.5
Alabama	1	6.3
Pennsylvania	1	6.3

Table 9: Type of Degree*

	N	%
Master's	15	93.8
Doctoral	1	6.3

*Respondents could select more than one degree.

Table 10: Master's Degree

	N
CPE	1
ME	6
MS	6
MSME	2

Table 11: Doctoral Degree

	N
PhD	1

Table 12: Academic Program*

	N
ABM - CNE	1
CPE	1
Computer Engineering	1
Computer Science	1
ECE	1
EPSE at the FREEDM Systems Center	1
Electrical Engineering	4
Electrical engineering	2
MAE	1
Masters of Electrical Engineering	1
Mechanical Engineering	1
Ms ISE	1

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

For more information on the 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