May 2018 Future Plans Survey
College of Engineering
Summary Report

This report presents summary results from the May 2018 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 May 2018 graduates in each of the College of Engineering departments. It includes the number of students in the department who graduated in May 2018 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
College of Engineering Dean's Office	26	12	46.2%	9	2	55,000	62,500	66,250	59,063	8
Biomedical Engineering	64	34	53.1%	18	9	56,250	68,750	71,250	63,750	12
Chemical Engineering	128	88	68.8%	56	18	66,250	71,250	73,750	69,599	53
Civil, Construction, and Environmental Engineering	98	69	70.4%	57	9	56,250	61,250	63,750	60,365	48
Computer Science	111	63	56.8%	45	6	66,250	71,250	76,250	71,524	41
Electrical and Computer Engineering	129	111	86.0%	76	17	61,250	66,250	71,250	66,029	68
Fitts Dept Industrial & Systems Engineering	74	54	73.0%	42	6	61,250	68,750	71,250	68,031	40
Materials Science & Engineering	41	30	73.2%	12	13	46,250	58,750	66,250	55,795	11
Mechanical and Aerospace Engineering	213	126	59.2%	82	24	57,500	63,750	68,750	63,108	72
Nuclear Engineering	26	14	53.8%	8	4	45,000	58,750	65,000	56,250	8
COE Overall	910	601	66.0%	405	108	58,750	66,250	71,250	65,305	361

*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.

Full-Time Employment (college overall)

Table 2: Name of Company/Organization

	N
2DLayer	1
ABB	2
AECOM	1
AFL Telecommunications	1
ARCO Design/Build	1
ATI Specialty Materials	1
Abcam	1
Accenture	1
Adams & Hodge Engineering, PC	1
Aerojet Rocketdyne	1
Aeva Labs	1
Airbus	1
Allstate	1
Altec	7
Amazon	2
American Accessories International	1
Anheuser-Busch	1
Apptio	1
Apro Resources	1
Armstrong Flooring	1
Armstrong Glen Inc.	1
Army	2
Atlas Engineering	1
Avid Solutions	1

Table 2: Name of Company/Organization, *continued*

	N
BB&T	1
BMW Manufacturing Co.	2
BOSCH	1
BWX Technologies, Inc.	1
Baker Hughes	1
Bandwidth	1
Barry-Wehmiller Design Group	1
BayoTech	1
Bernhard MCC	1
Big Huge Games	1
Black & Veatch	3
Blackboard	1
BnaFit	1
Booth & Associates	1
Booz Allen Hamilton	1
Brasfield & Gorrie	2
Brock Solutions	1
Brooks Machine and Design	1
Brown and Caldwell	1
Burns & McDonnell	1
CHA Consulting	1
CIMTEC Automation	1
CLEAResult	1
CLS Group	1
Campbells	1

Table 2: Name of Company/Organization, *continued*

	N
Capital One	3
Caterpillar	1
Charlotte Pipe	1
Chemours	1
Cisco	11
Citrix	1
Clancy & Theys Construction Company	1
Coca-Cola Consolidated	1
Constellium	1
Corning	1
Corvid Technologies	2
Credit Suisse	1
Cree	1
Cup't	1
DENSO Manufacturing	4
DeBlasio & Associates	1
DellEMC	1
Deloitte	10
Delta Five Systems	1
Delta Oaks Group	1
Denso	1
Department of Defense	1
Dewberry	2
Dominion Energy	1
Duke Energy	7

Table 2: Name of Company/Organization, *continued*

	N
Duke Health	1
Dynetics	1
EASi	2
ESSCO	1
EY	1
Eastman Chemical Company	4
Eaton	4
Ecolab	1
Edens Land	1
Endeavor Air	1
Engineered Tower Solutions	2
Entegra Systems	1
Epic Games Inc.	1
Epic Systems	1
Ernst & Young	3
ExxonMobil	4
FM Global	1
FRC-East	1
Facebook	1
Fidelity Investments	8
Fleet Readiness Center East	1
Fred Smith Company	1
Freshspire	1
Fujifilm Diosynth Biotechnologies	1
GE Aviation	2

Table 2: Name of Company/Organization, *continued*

	N
GE Healthcare	1
GE Power	1
Garmin	2
General Electric	1
Genworth Financial	1
Geosyntec Consultants	1
Geotechnologies	1
Gilbane Building Company	1
Gilbarco Veeder-Root	3
GlaxoSmithKline	1
HDR Inc.	1
HNTB Corporation	1
Halma	1
Hartness International	1
Hendrick Motorsports	1
Herrick Technology Labs	1
Hirose Electrics	1
Holder Construction	3
Honda Aircraft	1
Honda R&D Americas, Inc	2
Honeywell	2
Hourigan Construction	1
Hughes Network Systems	1
IBM	4
ITRE	1

Table 2: Name of Company/Organization, *continued*

	N
International Paper	3
Ipreo	1
Itron	1
JE Dunn Construction	1
John Deere	1
Johns Hopkins Applied Physics Laboratory	1
KAUST King Abdullah University of Science and Engineering	1
KPIT	1
Kadro Solutions	1
Kimley-Horn	3
LKC Engineering	1
LORD Corporation	3
Little Diversified Architectural Consulting	1
Lockheed Martin	2
Longent LLC	1
M.C. Dean	2
Mann+hummel	1
Maple Engineering	1
Massana Construction	1
Maxwell Automotive	1
McGill Associates	1
McKim & Creed	2
Medicom Technologies, Inc.	1
Merck	8
MercuryGate International	1

Table 2: Name of Company/Organization, *continued*

	N
Merrick & Company	1
Mertek Solutions Inc.	1
MethodSense	1
MicroMass Communications Inc.	1
Microsoft	1
Moog Components Group	1
Mussett Nicholas and Associates	2
NAVAIR	18
NAVSEA	1
NC State University	2
NCDOT	2
NNS	2
Naval Nuclear Laboratories	1
Naval Research Laboratory	1
Newell Brands	2
Norfolk Naval Shipyard	2
Northrop Grumman	1
Novozymes	1
Nucor Steel	1
Nunya	1
Nutanix	1
OSIsoft	1
Occidental Chemical Corporation	1
Okta	1
Oracle	1

Table 2: Name of Company/Organization, *continued*

	N
Pendo	2
Pentair	1
Pfizer	2
Phillips and Jordan	1
Plexus	3
Procter & Gamble	1
Prometheus Group	1
RELX Group	1
RMF Engineering	1
RS&H	2
Ramey Kemp & Associates	1
Raytheon	2
RedBud Labs	1
Republic Refrigeration	1
Rockwell Collins	1
Rovisys	2
SAS	6
SKA Consulting Engineers	1
STV Inc.	1
Sage Automotive Interiors	1
Sageworks	1
Savannah River Nuclear Solutions	1
Schaeffler Group	1
Schneider Electric	4
Sensus	2

Table 2: Name of Company/Organization, *continued*

	N
Sequence	1
Shook Construction	1
Siemens	1
SkyLine Membership Corporation	1
Solvay Specialty Polymers	1
Sonovol	1
St. Onge Company	1
Starr Electric	1
State Construction	1
SteelFab	1
Stonewall Structural Engineering	1
Swinerton Renewable Energy	1
Symbrium	1
Sysmex	1
Tethis	1
Texas Instruments	1
Thermaltek	1
Thrive Biotechnologies	1
Tower Engineering Professionals	2
Trane Carolinas	1
TransEnterix, Inc	1
Triad Design Group	1
Turner Broadcasting	1
Tutco	1
UNC School of Medicine	1

Table 2: Name of Company/Organization, *continued*

	N
US Air Force	4
US Marine Corps	1
US Navy	12
Unites States Gypsum Company	1
University of Wurzburg	1
VHB	1
Veolia	1
Verizon	1
Virginia Tech	1
Volkert	2
Volvo Group	1
Volvo Trucks	2
Wells Fargo	1
Wells Global	1
WestRock	6
Whiting-Turner	1
WillowTree	1
iCiDigital	1

Table 3: Location of Company (state)

	N	%
North Carolina	248	62.8
Virginia	24	6.1
South Carolina	15	3.8
Georgia	12	3.0
Tennessee	12	3.0
Texas	12	3.0
Maryland	8	2.0
California	7	1.8
Florida	7	1.8
Ohio	5	1.3
Washington	4	1.0
District of Columbia	4	1.0
Alabama	3	0.8
Colorado	3	0.8
Pennsylvania	3	0.8
Mississippi	2	0.5
West Virginia	2	0.5
Wisconsin	2	0.5
Illinois	2	0.5
Indiana	2	0.5
Oregon	1	0.3
Massachusetts	1	0.3
New Jersey	1	0.3
Kentucky	1	0.3
Kansas	1	0.3

Table 3: Location of Company (state), *continued*

	N	%
Arizona	1	0.3
Nebraska	1	0.3
New Mexico	1	0.3
Hawaii	1	0.3
Not sure	9	2.3

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

	N	%
Outside NC	141	37.6
Triangle	139	37.1
Other NC	95	25.3

Table 5: Job Title

	N
2LT Transportation Officer	1
2nd LT	1
Aerospace Engineer	6
Aircraft Maintenance Officer	1
Amodel Production Engineer	1
Application Engineer	2
Applications Engineer	2
Assay Technician	1
Assistant Engineer	1
Assistant Mechanical Engineer	1
Assistant Project Manager	3
Assistant Superintendent	1
Associate Consultant	1

Table 5: Job Title, *continued*

	N
Associate Data Engineer	1
Associate Engineer	4
Associate Professional	1
Associate Quality Engineer	2
Associate RF Engineer	1
Associate Scientist	1
Associate Software Developer	4
Associate Software Engineer	3
Associate Specialist Engineer	1
Associate Specialist, Engineering	2
Associate Systems Engineer	1
Associate Test Engineer	3
Automation Test Engineer	1
Aviation Engineer I	1
Brewer Training Program	1
Business Analyst	1
Business Development Analyst	1
Business Technology Analyst	9
Business Technology Associate	1
CEI	1
CEO	3
CTO, Co-founder	1
Candidate	1
Capital Markets Technology Analyst	1
Captain CRJ-900	1

Table 5: Job Title, *continued*

	N
Career Development Engineer	1
Chemical Engineer	1
Chemical Engineer - Assistance To Operations	1
Chief Operating Officer	1
Civil Analyst	1
Civil Designer/ Engineering Intern	1
Civil Engineer I	1
Civil Engineer in Training	2
Civil/Environmental Engineer I	1
College Ministry Intern	1
Commercial Leadership Program	1
Computational Analyst	1
Computer Science Race Engineer	1
Consultant I	1
Controls Engineer	1
Controls Programmer	1
Controls Programming Engineer	1
Data Analyst	1
Data Integration Specialist	1
Database Administrator	1
Design Engineer	7
DevOps System Administrator	1
Digital Engineer	1
Digital Solutions Developer	1
EI	1

Table 5: Job Title, *continued*

	N
Edison Engineer	1
Edison Engineering Development Program Member	1
Electrical Engineer	4
Electrical Engineer I	4
Electrical Engineering Intern	1
Electrical Intern	1
Electrical Product Engineer	1
Electronics Engineer	6
Electronics Engineering Associate	1
Embedded Software Test Engineer	1
Energy Engineer I	1
Engine Design Engineer	1
Engineer	6
Engineer I	3
Engineer Intern	1
Engineer Technician	1
Engineer in Training	1
Engineering Assistant	1
Engineering Associate	1
Engineering Duty Officer	1
Engineering Intern	5
Engineering Leadership Development Program Engineer	3
Engineering Manager	1
Engineering Operations Management Development Program	1
Engineering Sales	1

Table 5: Job Title, *continued*

	N
Engineering Specialist	1
Engineering Technician Designer	1
Engineering and Operations Management Program	1
Ensign	1
Entry Level Engineer	1
Entry Level Structural/Bridge Engineer	1
Estimator	1
FBS Engineer	1
Field Engineer	2
Field Service Trainee	1
Firmware Engineer	1
Flight Test Engineer	1
Founder	1
Founder/Owner/Engineer/Designer	1
Front-end Developer	1
Gameplay Capture Specialist	1
Graduate Development Program Trainee	1
Graduate Engineer	1
Graduate Research Assistant	1
Group Engineer	1
Hardware Engineer	2
Hydraulic Designer	1
IT Associate II	1
IT Development Program	1
IT Project Manager	1

Table 5: Job Title, *continued*

	N
Industrial Engineer	3
Inside Sales Engineer	1
Intern	5
Java Web Developer	1
Junior Application Engineer	1
Junior Software Engineer	1
LDP	1
LEAD Program Engineer	1
Machine Design Electrical Engineer	1
Machinist	1
Management Engineer	1
Manufacturing	1
Manufacturing Associate	1
Manufacturing Engineer	7
Materials Engineer	2
Mechanical Designer	1
Mechanical Engineer	9
Mechanical Engineer I	4
Mechanical Project Engineer	1
Mechatronics Engineer	1
N/A	1
Naval Aviator	1
Network Enginner	1
Network Operations Engineer	2
Nuclear Engineer	1

Table 5: Job Title, *continued*

	N
Nuclear Engineer I	1
Nuclear Submarine Officer	2
Nuclear Surface Warfare Officer	1
Nuclear Test Engineer	1
Nuke Machinist Mate	1
OMLP (Operation Management Leadership Program)	1
Office Engineer	3
Officer	1
Operations Management Leadership Program Engineer	1
Operations and Management Leadership Program Associate	1
Operations for Engineers - Leadership Development Program	1
Performance Engineer	1
Pilot	1
Plant Engineering	1
Power Systems Engineer	1
Power and Automation Leadership Program	1
Process Associate Engineer II	1
Process Design Engineer	1
Process Design Manager	1
Process Development Engineer	1
Process Engineer	16
Process Engineer I	1
Process Improvement Engineer	1
Product Design Engineering Development Program	1
Product Development Engineer	2

Table 5: Job Title, *continued*

	N
Product Documentation Engineer	1
Product Support Engineer	1
Production Engineer	2
Production Manager	1
Project Engineer	12
Project Engineer I	2
Project Manager	1
Project Metallurgist	1
Quality Engineer	1
Quality Engineer I	1
R&M Engineer	1
REACH Engineer	1
Reliability Maintenance Engineering	1
Remediation Engineer	1
Research Assistant	3
Research and Development Engineer	1
Researcher	1
Rotational Development Program Associate	2
Sales Engineer	4
Semiconductor Manufacturing Technician II	1
Software Developer	2
Software Development Engineer	1
Software Engineer	19
Software Engineer I	3
Software Engineer M.S. Intern	1

Table 5: Job Title, *continued*

	N
Specialist Engineer	1
Staff Engineer	2
Staff Engineer I	1
Staff Professional	1
Stress Engineer	1
Structural Designer	2
Structural Engineer I	1
Structural Engineering Associate	1
Structural Engineering Intern	1
Student Naval Aviator	2
Student Pilot	1
Submarine Officer	2
Summer Engineering Intern	1
Summer Environmental Intern	1
Summer Intern	1
Surface Warfare Officer	1
System Protection Engineer	1
Systems Analyst	2
Systems Engineer	5
Systems Engineer I	2
Systems Relability Engineer	1
Targeting Officer	1
Technical Analyst	2
Technical Consultant	3
Technical Problem Solver	1

Table 5: Job Title, *continued*

	N
Technical Sales Associate	1
Technical Sales Engineer	2
Technical Support Specialist I	1
Technology Advisor	2
Technology Advisory Consultant	1
Technology Advisory Program Consultant	1
Technology Analyst	2
Test Engineer	1
Test Engineer I	1
Tower Engineer I	2
Training Engineer Associate	1
Transportation Engineer	1
Transportation Engineer I	1
Transportation Engineering Associate	1
Transportation Planner	1
Validation Engineer	1
XPlant Manufacturing Engineer	1

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

	N	%
Career fair at NC State	185	45.7
Internship/externship	184	45.4
Applied for job via ePack	95	23.5
On-campus interviewing	84	20.7
Campus or college career center center	77	19.0
Co-op experience	67	16.5
Personal connection(s) within the company	63	15.6
Family/friends/classmates/co-workers	56	13.8
LinkedIn	47	11.6
Employer info session on campus	35	8.6
Internet: Other	27	6.7
Faculty member or found job listing in an NC State dept	21	5.2
Professional society	21	5.2
Employer found resume on ePack	19	4.7
Volunteer work	16	4.0
Consultation with NC State Career Counselor/Coach	13	3.2
Student teaching experience	4	1.0
Career fair off campus	2	0.5
Staffing agency	1	0.2
Other	29	7.2

*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
Carnegie Mellon University	1
Clemson University	2
Duke University	1
East Carolina University	1
Georgia Institute of Technology	5
KAUST	2
Massachusetts College of Art and Design	1
Massachusetts Institute of Technology	1
NC State University	41
Purdue University	3
Shepherds Theological Seminary	1
The Ohio State University	2
UC Berkeley	1
UC Santa Barbara	1
UNC Chapel Hill	3
University of Cambridge	1
University of Chicago	1
University of Cincinnati	1
University of Colorado, Boulder	2
University of Delaware	1
University of Edinburgh	1

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

	N
University of Maryland, College Park	1
University of Michigan, Ann Arbor	2
University of New Mexico	1
University of New South Wales	1
University of Texas at Austin	5
University of Virginia	3
University of Washington	1
Virginia Commonwealth University	1
Virginia Tech	3
Wake Forest University	1

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

	N	%
North Carolina	47	51.1
Virginia	7	7.6
Georgia	5	5.4
Outside United States	5	5.4
Texas	5	5.4
Indiana	3	3.3
Ohio	3	3.3
South Carolina	2	2.2
Massachusetts	2	2.2
California	2	2.2
Colorado	2	2.2
Michigan	2	2.2
Pennsylvania	1	1.1

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

	N	%
Wyoming	1	1.1
Illinois	1	1.1
Delaware	1	1.1
Maryland	1	1.1
New Mexico	1	1.1
Washington	1	1.1

Table 9: Type of Degree*

	N	%
Master's	58	63.0
Doctoral	30	32.6
Professional	7	7.6

*Respondents could select more than one degree.

Table 10: Master's Degree

	N
MArch	1
MBID	1
MCPE	1
MCRP	3
ME	8
MENE	1
MFM	1
MIE	4
MNE	1
MOP	1
MOR	1

Table 10: Master's Degree, *continued*

	N
MPA	1
MPhil	1
MR	1
MS	25
MSAE	1
MSME	5
MSTS	1

Table 11: Doctoral Degree

	N
PhD	30

Table 12: Professional Degree

	N
JD	2
MD	5

Table 13: Academic Program*

	N
Aerospace Engineering	4
Aerospace engineering	1
Automotive Engineering	1
Bioengineering	1
Bioengineering PhD	1
Biomedical Engineering	1
CBE PhD	1
CPE	1
Chemical & Biomolecular Engineering	1

Table 13: Academic Program*, *continued*

	N
Chemical Engineering	3
Chemical Engineering PhD	1
Chemical engineering	1
Chemical engineering Phd	1
Civil Engineering	2
Civil Engineering, Structures	1
Computer Engineering	3
Computer Science	4
Doctorate of Philosophy in Material Science and Engineering	1
ECE	1
EE	1
Ece	1
Electrical Engineering	4
Electrical and Computer Engineering	2
Electrical engineering	1
Energy Systems Engineering	1
Environmental Engineering	2
Financial Mathematics	1
Industrial Engineering	1
Information Technology - Data Science Engineering	1
Law	2
MD	1
MD/PhD (Biomedical Engineering)	1
MENE	1
MIE	1

Table 13: Academic Program*, *continued*

	N
MSE	2
MSECE	1
Master of Biomedical Innovation and Development Program	1
Master of Industrial Engineering	1
Master of Industrial Engineering (MIE)	1
Master of Science in Analytics	1
Master of Science in Business Analytics	1
Master's of Public Administration	1
Masters of Architecture	1
Masters of Science in Analytics	1
Masters of Theological Studies	1
Materials	1
Materials Science and Engineering	2
Mechanical Engineering	12
Mechanical Engineering (Acoustics)	1
Medical School	1
Medicine	1
Molecular Engineering PhD	1
Nuclear Engineering	2
Nuclear Science and Engineering	1
Operations Research	1
PhD - Chemical and Biomolecular Engineering	1
Physiology	1
School of Medicine	1
aerospace engineering	1

Table 13: Academic Program*, *continued*

	N
computer science	1
mechanical engineering	1

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