May 2016 Future Plans Survey
College of Engineering
Summary Report

This report presents summary results from the May 2016 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 2016 graduates in each of the College of Engineering departments. It includes the number of students in the department who graduated in May 2016 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
COE Dean's Office	24	9	37.5%	7	.	53,750	56,250	66,250	53,125	6
Biomedical Engr	62	35	56.5%	13	18	56,250	61,250	66,250	59,327	13
Civil, Construction, and Envir Engr	121	56	46.3%	43	12	51,250	53,750	58,750	53,285	43
Chemical Engr	133	83	62.4%	48	16	63,750	66,250	71,250	66,889	45
Computer Science	111	52	46.8%	35	7	63,750	71,250	78,750	72,419	31
Electrical & Computer Engr	151	98	64.9%	67	15	63,750	66,250	71,250	67,964	62
Fitts Dept Indust & Syst Engr	59	39	66.1%	33	3	61,250	66,250	71,250	64,000	30
Mechical & Aerospace Engr	159	84	52.8%	60	14	61,250	63,750	68,750	64,976	53
Materials Science & Engr	30	14	46.7%	9	3	51,250	56,250	61,250	49,722	9
Nuclear Engineering	22	13	59.1%	4	6	**	**	**	**	3
COE Overall	872	483	55.4%	319	94	56,250	63,750	71,250	63,932	295

**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	2
AECOM	2
ASCO Power Technologies	1
AT&T	1
Accelogix	1
Allscripts	1
Amazon	5
American Airlines	1
Applied Systems	2
Arthrex	1
Aurora Flight Sciences	1
Avid Solutions	1
B/E Aerospace	2
BASIS.ed Independent Fremont	1
BMW	1
BSH Home Appliances	1
Biogen	3
Boeing	1
Booth & Associates	2
Brady Trane	1
Buckman Laboratories	1
CIMTEC Automations	1
CITI, llc	1

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

	N
CRB Consulting Engineers	2
Camco Manufacturing	1
Campbell's	1
Castle Hill Technologies	1
Castle Worldwide	1
Caterpillar Inc.	2
Charles Schwab	1
Cid Attachments	1
Cisco	7
Citrix	1
CityScape Engineering	1
Clark Construction	1
Cognizant	3
Continental Automotive Group	1
Cook Medical	1
Corning	1
Credit Suisse	2
Custom Assemblies, Inc.	1
DENSO Manufacturing	1
Danaher	1
Del Operations LLC	1
Deloitte	4
Delta Airline Inc.	1
Delta Five Systems	1
Delta lvl Forensic Engineering	1

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

	N
Deutsche Bank	1
Device Solutions	1
Dewberry	1
Doosan Portable Power	1
Dude Solutions	1
Duke Energy	6
Duke University	1
Dynetics	1
EMC	1
EY	2
Eastman Chemical Company	6
Eaton	5
Ecolab	1
Edmondson Engineers	1
Elster Solutions	1
Engineered Tower Solutions	1
Epic Systems Corporation	1
Epic Systems Incorporated	1
Ernst & Young	3
Exelon	1
Extron	3
ExxonMobil	1
Farragut	1
Fidelity Investments	3
Fluor	2

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

	N
Ford Motor Company	1
Frank L Blum Construction Company	1
Freese and Nichols, Inc.	1
GAF	1
GE Power	2
GLOBALFOUNDRIES	1
Garmin	1
General Dynamics	1
General Electric	2
GlaxoSmithKline	2
Gogo	1
Goodyear Tire and Rubber Company	1
GrapeCity	1
Graphic Packaging International	1
Grede	1
HNTB	1
Harris	1
Hazen and Sawyer	1
Highland Industries	1
Honda	2
IBM	2
Infusion	2
Integro Technologies	1
International Paper	6
JET Program	1

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

	N
James Hardie	1
James M Pleasants	1
John Deere	2
Kadro Solutions	1
Kapsch TrafficCom	1
Kimley-Horn and Associates	1
Kollmorgen Corporation	1
Kpit	1
Kymanox	1
LORD Corporation	1
Lane Construction Corporation	1
Lenovo	3
Lighthouse Engineering	2
Linear Technology	1
Lithko	1
Lockheed Martin	2
M.C. Dean	2
Manhattan Associates	1
Medicago	1
Metatronic Mods LLC	1
MilliporeSigma	1
Moen Incorporated	1
Moen, Inc.	1
NASA	1
NAVAIR	8

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

	N
NAVFAC	1
NAVSEA	2
NC Department of Transportation	1
NC State University	1
NCDOT	1
NIH NIAID VRC	1
Nalco	2
National Security Agency	1
Newell Rubbermaid	1
Newport News Shipbuilding	1
NextGen Air Transportation	1
Nissan	1
Noki	1
North Carolina Outward Bound	1
Northrop Grumman	1
Novozymes	1
OSIsoft	1
Olin Corporation	1
Onfi Systems	1
Oracle	1
Parrish and Partners	1
Patheon Pharmaceuticals	1
Perficient	1
Pfizer	5
Phillips & Jordan, inc	1

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

	N
Plexus Corp.	1
Pro Unlimited	1
Prometheus Group	2
QGenda	2
Qualcomm	1
Quantworks	1
RJ Reynolds	1
RS&H	1
Ramey Kemp & Associates Inc.	2
Red Hat	2
Rosen and Associates Engineering Consultants	1
RoviSys	5
SAS	3
SPX Transformer Solutions	1
STV	1
Saint Gobain	1
Sandia National Laboratories	1
Saudi Aramco	1
Savannah River Nuclear Solutions	1
Savannah River Remediation	1
Schneider Electric	2
Seal Engineering, Inc.	1
Sealed Air	2
Sensus	1
Sepi Engineering	1

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

	N
Seqirus	1
Shaw Industries	2
Siemens	2
SignalScape	1
Sirius Computer Solutions	1
Skanska	1
Southland Industries	1
Stanley Martin Homes	1
Stantec	1
SteelFab of VA	1
Steelwedge	1
Stewart Engineering	1
Summit	1
Summit Engineering	1
Sungate Design Group	1
Teleflex	1
The Lane Construction Corporation	1
Timmons Group	1
Tower Engineering Professionals	3
Toyota Motor Engineering and Manufacturing	1
Triangle Patents	1
UC Synergetic	4
US Air Force	3
US Navy	7
USAF	2

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

	N
Unifi	2
United Technologies Aerospace Systems	1
University of Florida	1
Vannoy Construction	1
Walmart US	1
bioMASON	1
nStyle Data	1

Table 3: Location of Company (state)

	N	%
North Carolina	182	59.5
Virginia	16	5.2
South Carolina	15	4.9
Georgia	14	4.6
Texas	9	2.9
Florida	8	2.6
Tennessee	7	2.3
California	6	2.0
Illinois	5	1.6
New York	5	1.6
Maryland	5	1.6
Washington	4	1.3
Alabama	3	1.0
Colorado	3	1.0
Wisconsin	2	0.7
Michigan	2	0.7
Kentucky	2	0.7
Ohio	2	0.7
Louisiana	1	0.3
Pennsylvania	1	0.3
New Mexico	1	0.3
Nebraska	1	0.3
Mississippi	1	0.3
Alaska	1	0.3
Not sure	10	3.3

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

	N	%
Outside NC	120	40.8
Triangle	118	40.1
Other NC	56	19.0

Table 5: Job Title

	N
ADP Rotational Program	1
Advanced Technology Development Process Integration Engineer	1
Aerospace Engineer	1
Aerospace Technologist	1
Aircraft Maintenance Officer	1
Applications Engineer	3
Area Representative	1
Assistant Engineer	1
Assistant Instructor	1
Assistant Language Teacher	1
Assistant Neighborhood Construction Manager	1
Assistant Project Manager	1
Assistant Software Engineer	1
Associate Business Analyst	1
Associate Consultant	2
Associate Developer	2
Associate Development Tester	1
Associate Engineer	6
Associate Engineer 1	1

Table 5: Job Title, *continued*

	N
Associate Manufacturing Engineer	1
Associate Quality Assurance Engineer	2
Associate Software Developer	1
Associate Software Engineer	3
Associate Technical Consultant	1
Auxiliary Operator	1
Business Technology Analyst	4
Chemical Engineer	3
Chief Engineer	1
Chief Operating Officer	1
Civil Engineering Analyst	1
Civil Engineering Officer	1
Client Technical Sales Specialist	1
Co-founder and CEO	1
Combat Systems Officer	1
Combustion Engineer	1
Configuration Engineer	1
Construction Engineer I	1
Construction Inspector	1
Consultant - Technology Advisory Program	1
Consultant I	1
Control Systems Engineer	1
Controls Engineer	1
Converged Computing/ User End Computing Associate Engineer	1
Customer Support Engineer	1

Table 5: Job Title, *continued*

	N
Dentist	1
Design Engineer	6
Design Engineering I	1
Designer	1
Developmental Engineer	1
District Engineer	1
District Sales Engineer	1
EDP Product Engineer	1
EIS Engineering Manager	1
EIT	1
Edison Engineering Development Program	1
Electrical Designer	1
Electrical Engineer	1
Electrical Engineer 1	1
Electrified Powertrain Engineer	1
Electronics Engineer	4
Embedded Engineer	1
Embedded Software Engineer	1
Energy Engineer	1
Engineer	4
Engineer 1	4
Engineer Associate	1
Engineer I	4
Engineer I, Manufacturing Sciences	1
Engineer III	1

Table 5: Job Title, *continued*

	N
Engineer In Training	1
Engineer Trainee	1
Engineering Associate	2
Engineering Intern	1
Engineering Management Development Program Member	1
Engineering and Operations Management Candidate	1
Ensign	2
Environmental Engineer	1
Environmental Engineer I	2
Estimator	2
Field Engineer	4
Firmware Development Engineer	1
Gas Insulated Substation Engineer	1
Geotechnical Staff Professional	1
Grad student	1
Graduate Engineer	1
HR Analyst	1
Hardware/software engineer	1
IRTA Research Fellow	1
IT Development Program	1
IT Engineer	1
Industrial Process Specialist I	1
Information Technology Analyst	1
Inside Sales	1
Integration Engineer	1

Table 5: Job Title, *continued*

	N
Interior Engineer	1
LEAD Engineer	1
Leadership Development Program Participant (3 year rotational)	1
Management Engineer	1
Management Trainee	1
Manufacturing Associate	2
Manufacturing Engineer	1
Manufacturing Integration Analyst	1
Manufacturing Specialist	1
Marketing Specialist, Global Marketing	1
Material Analyst	1
Material Flow Engineer	1
Materials Handling Mechanical Engineer	1
Mechanical Engineer	4
Mechatronics Designer	1
Mechatronics Engineer	1
Meter Engineer	1
Nuclear Engineer	1
Nuclear Engineer I	3
Nuclear Engineering	1
Officer Candidate	1
Operations Engineer	2
Operations Management Leadership Program Associate	1
Operations Team Leader	1
Patent Attorney	1

Table 5: Job Title, *continued*

	N
Performance Engineer	1
Performance Validation Engineer	1
Pilot	1
Plant Metallurgist	1
Plumbing Engineering	1
Power and Automation Leader	2
Process Development Engineer	1
Process Development Scientist	1
Process Engineer	9
Process Engineer I	1
Process Improvement Engineer	2
Product Coordinator	1
Product Design Engineer	1
Product Engineer	2
Product Support Engineer	1
Program Manager	1
Project Coordinator	1
Project Designer	1
Project Engineer	8
Project Engineer I	1
QA Engineer	1
Quality Associate I	1
Quality Assurance Associate	1
Quality Engineer	1
Quality Engineering	1

Table 5: Job Title, *continued*

	N
Quality Engineering and Assurance	1
Quality Engineering and Assurance Analyst	1
Quality Technician	1
R&D Engineer	1
R&D Sustaining Engineer	1
REACH Engineer	5
Rail Engineer I	1
Recovery Process Engineer	1
Reliability Engineer	1
Research and Development	1
Roadway Designer	1
Roadway Engineering specialist	1
SCADA Product Engineer	1
Satellite Systems Engineer	1
Security Electronic Systems Design Engineer	1
Signals Intelligence	1
Software Analyst	1
Software Applications Engineer	1
Software Consultant	2
Software Developer	3
Software Developer Engineer	2
Software Development Engineer	1
Software Engineer	12
Software Engineer 1	1
Software Systems Engineer	1

Table 5: Job Title, *continued*

	N
Software Test Engineer	1
Specialist - Graduate Program	1
Sr. Specialist Project Management	1
Staff Engineer	1
Staff I - Technology Advisor Program	1
Staff Technology Adviser	1
Stress Analyst	1
Structural Certification Engineer	1
Structural Engineer	1
Structural Engineer EI	1
Structural Engineer I	1
Subject Expert Teacher	1
Submarine Nuclear Field Officer	1
Support Engineer	2
Surface Warfare Officer	1
System Engineer	1
Systems Analyst	1
Systems Automation Engineer	1
Systems Engineer	5
Systems Engineer I	2
Systems Engineering Associate	1
Systems Hardware Engineer	1
TPDP Engineer	1
TPM Engineer	1
Technical Analyst	2

Table 5: Job Title, *continued*

	N
Technical Consultant	3
Technical Illustrator	1
Technical Problem Solver	1
Technical Process Improvement Coordinator	1
Technical Professional Development Program Engineer	2
Technology Advisory Program	1
Technology Advisory Staff 1	1
Technology Analyst	1
Technology Engineer	1
Test Engineer	4
Test Engineering	1
Traffic Associate	1
Transmission Engineer	1
Transportation EIT	1
Transportation Engineering Associate	1
UAV Systems Engineer	1
Unknown	1
Validation Engineer	1
Verification Intern	1

Table 6: Resources Used to Help Get/Locate Job

	N	%
Career fair at NC State	155	48.6
Internship/externship	153	48.0
Applied for job via ePack	100	31.3
On-campus interviewing	77	24.1
Career Development Center	74	23.2
Co-op experience	70	21.9
Family/friends/classmates/co-workers	52	16.3
Personal connection(s) within the company	51	16.0
Employer found resume on ePack	44	13.8
LinkedIn	37	11.6
Faculty member or found job listing in an NC State dept	23	7.2
Employer info session on campus	22	6.9
Consultation with NCSU Career Counselor/Coach	20	6.3
Internet (not including LinkedIn)	16	5.0
Professional society	10	3.1
Staffing agency	9	2.8
Career fair off campus	6	1.9
Student teaching experience	4	1.3
Other	23	7.2

*Respondents could select more than one resource.

Further Education (college overall)

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

	N
Auburn University	1
Boston University	1
Campbell University	1
College of William and Mary	1
Columbia University	1
Duke University	5
Durham University	1
Edward Via College of Osteopathic Medicine- Carolinas Campus	1
Georgia Institute of Technology	1
Georgia Tech	2
Iowa State University	1
Michigan State University	1
NC State University	38
Pennsylvania State University	1
Purdue University	3
The Ohio State University	1
The University of Colorado at Boulder	1
UC San Diego	1
UNC Chapel Hill	3
UNC Charlotte	1
University of Michigan	1
University of North Carolina	1
University of Pennsylvania	1

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

	N
University of Pittsburgh	1
University of Virginia	1
University of Washington	1
Vanderbilt	1
Vanderbilt University	1
Virginia Polytechnic Institute and State University	1

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

	N	%
North Carolina	49	65.3
Virginia	3	4.0
Georgia	3	4.0
Pennsylvania	3	4.0
Indiana	3	4.0
Michigan	2	2.7
Tennessee	2	2.7
Alabama	1	1.3
Massachusetts	1	1.3
New York	1	1.3
South Carolina	1	1.3
Iowa	1	1.3
Ohio	1	1.3
Colorado	1	1.3
California	1	1.3
Washington	1	1.3
Outside United States	1	1.3

Table 9: Type of Degree

	N	%
Master's	50	66.7
Doctoral	25	33.3
Professional	8	10.7

*Respondents could select more than one degree.

Table 10: Master's Degree

	N
MCRP	1
MCS	4
ME	10
MEMP	1
MIE	1
MNE	1
MS	27
MSAE	1
MSENE	1
MSME	2
MSPO	1

Table 11: Doctoral Degree

	N
PhD	25

Table 12: Professional Degree

	N
DDS	1
DO	1
JD	2
MD	2
PharmD	2

Table 13: Academic Program*

	N
Aerospace Engineering	2
Agricultural and Biological Engineering	1
Applied Physical Science	1
Architectural Engineering	1
Biological and Agricultural Engineering	1
Biomanufacturing	1
Biomedical Engineering	3
CPE	1
CSC	1
Chemical Engineering	2
Chemical and Bimolecular Engineering	1
Chemical engineering	1
Civil Engineering	3
Civil, Transportation	1
Computer Engineering	3
Computer Science	2
Computer Science MS	1

Table 13: Academic Program*, *continued*

	N
Dental School	1
Doctor of Osteopathic Medicine	1
ECE Masters program	1
Economics PhD	1
Electric power systems engineering	1
Electrical Engineering	3
Electrical engineering	2
Environmental Engineering	2
Finance	1
Industrial Engineering	1
Industrial Engineering, PhD	1
Industrial and Systems Engineering	1
Integrated Systems Engineering	1
Law	1
Law School	1
MCS Computer Science	1
MD Program at the School of Medicine	1
MD-PhD Program	1
Master of Eningeering/Biomedical Engineering	1
Master of Science in Analytics	1
Master's of Engineering Management	1
Masters in Electrical Engineering	1
Masters of Biomanufacturing	1
Masters of Computer Science	1
Materials Science and Engineering	1

Table 13: Academic Program*, *continued*

	N
Mechanical Engineering	4
Metrology/Precision Engineering	1
Nuclear Engineering	3
Nuclear engineering	1
PhD Biomedical Engineering	1
PhD biomedical engineering	1
Pharmacy	2
Prosthetics and Orthotics	1
Wind Energy, Science, Engineering, and Policy/MSE	1
aerospace engineering	1
biomedical engineering	1
computer engineering	1
computer science	1
mechanical engineering masters program	1

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

For more information on the May 2016 Future Plans Survey contact:
Dr. Nancy Whelchel, Associate Director for Survey Research
Office of Institutional Research and Planning
Phone: (919) 515-4184
Email: Nancy_Whelchel@ncsu.edu