

## **May 2015 Future Plans Survey College of Engineering Summary Report**

This report presents summary results from the May 2015 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 2015 graduates in each of the College of Engineering departments. It includes the number of students in the department who graduated in May 2015 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	18	5	27.8%	4	.	55,000	63,750	76,250	65,625	4
Biomedical Engr	48	28	58.3%	15	9	53,750	63,750	68,750	58,304	14
Civil, Construction, and Envir Engr	92	55	59.8%	44	6	48,750	53,750	58,750	53,000	40
Chemical Engr	139	92	66.2%	50	10	61,250	66,250	71,250	65,925	50
Computer Science	113	56	49.6%	44	7	61,250	68,750	81,250	70,305	41
Electrical & Computer Engr	121	79	65.3%	54	13	61,250	66,250	71,250	67,425	50
Fitts Dept Indust & Syst Engr	43	25	58.1%	16	3	51,250	60,000	67,500	57,188	16
Mechanical & Aerospace Engr	152	90	59.2%	54	18	56,250	61,250	66,250	59,325	50
Materials Sci & Eng	25	15	60.0%	6	6	56,250	56,250	61,250	57,750	5
Nuclear Engineering	39	18	46.2%	9	7	60,000	68,750	68,750	61,563	8
COE Overall	790	463	58.6%	296	79	56,250	63,750	68,750	62,630	278

## Full-Time Employment (college overall)

Table 2: Name of Company/Organization

	N
ABB	1
AKG of America	1
AT&T	1
ATI Industrial Automation	1
Adaptive Aerospace Group, Inc.	1
AirWatch by VMware	1
Ajinomoto	1
Akebono-Clarksville Plant	1
Allstate	1
Amazon	1
Amec Foster Wheeler	2
American Tower	1
Avid Solutions	1
B/E Aerospace	2
BASF	1
BENANOVA, Inc.	1
Balfour Beatty Construction	2
Barlow Engineering	1
Baxter	1
Becton Dickinson	1
Bestco	1

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

	N
Biogen	7
Black and Veatch	1
Bloomberg LP	1
Boeing	2
Burns & McDonnell	1
CB&I	1
CRB Engineering Consultants	1
Calhoun Automotive LLC	1
Carolina Precision Manufacturing	1
Caterpillar	3
Cenotec	1
Cisco Systems	6
Clark Construction Group	1
Cognizant	2
Component One	1
ConocoPhillips	1
Corning	3
Cree Inc	1
DPR Construction	1
Danaher Sensors and Controls	1
Deloitte	3
Deutsche Bank	1
Device Solutions	2
DuPont Chemical Company	1

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

	N
Duke Energy	12
EG-Gilero	1
EMC	1
Eastman Chemical Company	2
Eaton	3
Ecolab	1
Edens Land Corp	1
Emirates Nuclear Energy Corporation (ENEC)	1
Engine Systems Incorporated	1
Engineered Tower Solutions	1
Epic Solutions	1
Epic Systems	6
Ernst & Young	1
Extron Electronics	2
FDH Velocitel	1
FRC-East	1
Farragut Systems	2
Fidelity Investments	6
FlipKey	1
Frito-Lay	2
FujiFilm Medical Systems	2
Genentech	1
General Electric	2
General Electric Aviation	3

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

	N
Georgia Pacific	4
GlaxoSmithKline	1
GoTriangle	1
HDR, Inc	1
Halma	2
Harris Corporation	1
Holder Construction	2
Honda Aircraft Company	1
Honda Manufacturing of Indiana	1
Hospira	1
Hughes	1
IBM	7
International Paper	3
Ipreo	1
Jacobs Engineering	1
Jibe	1
LORD Corporation	2
Lenovo	2
Lighthouse Engineering	1
LoboStim	1
Lochner	1
Lockheed Martin	3
Manhattan Associates	1
Marathon Petroleum Corporation	1

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

	N
McKim & Creed	1
Merck	2
MetLife	2
Metcon Inc.	1
Microsoft	2
NASA	2
NAVAIR	8
NAVSEA	11
NC Department of Transportation	3
National Instruments	1
NetApp	3
Netsertive	1
Newcomb and Company	1
Norfolk Southern	2
Northrop Grumman	1
Novartis	2
Nuage Networks	1
ONUG Communications	1
OPW Global	1
Occidental Petroleum	1
Oracle Inc	1
Owens Illinois	1
Panoplay LLC	1
PotashCorp	1

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

	N
Premier Inc.	2
PricewaterhouseCoopers	1
Principal Financial Group	1
Proactive Controls Group	1
Prometheus Group	1
QGenda	1
Qorvo inc.	1
Quercus	1
RS&H	2
Raytheon	1
Red Hat	1
Regeneron Pharmaceuticals	1
Resco Products	1
Resolute Forest Products	2
RockTenn	2
Roll-Tech Molding Products	1
RoviSys	5
SAS Institute	2
SCS Engineers	1
SPX Corporation	1
Sageworks	1
Sandia National Laboratories	1
Schaeffler	1
Schneider Electric	1



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

	N
Sensus	2
SharePlace	1
Solid Engineering and Design	1
Starling Electric	1
Stewart Engineering	1
TCE & ASSOCIATES	1
The Beck Group	1
The Boeing Company	1
The Company	1
The Holt Group, Inc.	1
The John R. McAdams Company	1
Tower Engineering Professionals	1
TransCirrus	1
TransEnterix	1
Trinity Consultants	1
UL	1
US Air Force	4
US Army	1
US Marine Corps	2
US Navy	6
USAF	2
USN	1
Ulliman Schutte Construction	1
Underwriters Laboratories	1

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

	N
Venture for America	1
Volkert	1
Volvo Trucks	1
W.K. Dickson	1
W.R. Toole Engineers, Inc.	1
Wake Stone Corporation	1
Wilson Machine and Tool	1
XEnergy Inc	1

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

	N	%
North Carolina	171	59.6
Virginia	17	5.9
Georgia	11	3.8
Texas	10	3.5
Wisconsin	8	2.8
South Carolina	7	2.4
Maryland	6	2.1
Tennessee	5	1.7
California	4	1.4
Florida	4	1.4
New York	3	1.0
Missouri	3	1.0
Massachusetts	3	1.0
Pennsylvania	3	1.0
Washington	2	0.7
New Jersey	2	0.7
Ohio	2	0.7
Mississippi	2	0.7
Rhode Island	2	0.7
District of Columbia	2	0.7
Arkansas	1	0.3
Alabama	1	0.3

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

	N	%
Michigan	1	0.3
Arizona	1	0.3
Indiana	1	0.3
Iowa	1	0.3
Illinois	1	0.3
North Dakota	1	0.3
New Hampshire	1	0.3
New Mexico	1	0.3
Delaware	1	0.3
Not sure	9	3.1

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

	N	%
Outside NC	113	39.9
Triangle	112	39.6
Other NC	58	20.5

**Table 5: Job Title**

	N
2LT	3
Advisory Associate	1
Aerospace Engineer	7
Air Vehicle Engineer	1
Aircraft Maintenance Officer	1

**Table 5: Job Title, *continued***

	N
Airfield Civil Engineer	1
Analyst	1
Applications Engineer	2
Assistant Electrical Engineer	1
Assistant Hardware Engineer	1
Assistant Project Manager	1
Associate - Projects	1
Associate Developer	1
Associate Engineer	5
Associate Software Developer	1
Associate Software Engineer	4
Automation Engineer	2
Automation Systems Integrator	1
Aviation Civil Engineer	1
BWR Fuel Engineer	1
Backend Software Engineer	1
Bio-Pharmaceutical Engineer	1
Bluemix Technical Support Professional	1
Bridge EIT	1
Business Technology Analyst	3
CEO	1
CSO	1
Characterization Engineering	1
Chemical Engineer	1

**Table 5: Job Title, *continued***

	N
Chief Financial Officer	1
Civil Designer	1
Civil EIT	1
Combustion Engineer	1
Commercial Leadership Program	1
Composites Materials Engineer	1
Construction Engineer	1
Consultant	1
Continuous Improvement Engineer	1
Customer Support Engineer	1
Cyber Officer	1
Database Administrator	1
Dedication Engineer	1
Design Engineer	3
Design Engineer I	1
Design and Analysis Engineer	1
Designer I	1
Developer	1
Developmental (Electrical) Engineer	1
EI	1
Electrical Systems Engineer	1
Embedded Linux Software Development II	1
Engineer	7
Engineer I	7

**Table 5: Job Title, *continued***

	N
Engineer in Training	1
Engineer, Leadership Rotation Program	1
Engineering Associate Trainee	1
Engineering Intern	1
Engineering Leadership Program Candidate	1
Engineering Specialist	1
Ensign	2
Entry Level Engineer	4
Entry Level Systems Engineer	1
Entry Level Test Engineer	1
Environmental Consultant	1
Facilities Engineer	1
Failure Analysis	1
Fellow	1
Field Engineer	1
Field Service Engineer	2
Field Structural Engineer	1
Field Technician	1
Functional Analyst	1
GE Aviation Software Edison	1
Generation System Protection Engineer	1
Global Vaccine Technology and Engineering, Associate Specialist Engineer	1
Graduate Co-op	1
Graduate Development Program	1

**Table 5: Job Title, *continued***

	N
Graduate Development Trainee	1
Group Engineer -- Manufacturing Rotational Program	1
Hardware Engineer	1
IT Application Analyst I	1
IT Engineer	1
IT Engineer I	1
Industrial Engineer	1
Innovations Development Engineer	1
Intern	1
Jr .NET Developer	1
Junior Civil Engineer	1
Junior Engineer	1
Lighting R&D Power Technician	1
MTU Application Developer	1
Management Trainee	2
Manager, Infrastructure Operations	1
Manufacturing Associate	5
Manufacturing Associate II	1
Manufacturing Development Program Engineer	1
Manufacturing Engineer	2
Manufacturing Professional Development Program	1
Manufacturing Sciences Contractor	1
Manufacturing Supervisor	1
Mechanical Design Engineer	1



**Table 5: Job Title, *continued***

	N
Mechanical Engineer	4
Mechanical Engineer I	1
Microprocessor Functional Simulation Engineer	1
Naval Architect	1
Naval Submarine Warfare Officer	1
Navigation and Control Engineer	1
Network Engineer	1
New Graduate Engineer	1
New Graduate Process Engineer	1
Nuclear Engineer	4
Nuclear Engineer I	2
Nuclear Materials Welding Engineer	1
Nuclear Propulsion Officer	1
Nuclear Surface Warfare Officer	1
OMLP	1
Office Engineer	3
Operations Rotational Development Program Analyst	1
Owner/Operator	1
Pilot Candidate	2
Plant Manager	1
Platform Engineer	1
Power Automation Leader (R&D)	1
Process Development Associate	1
Process Engineer	10

**Table 5: Job Title, *continued***

	N
Product Development Engineer	1
Product Engineer	1
Product Safety Engineer	1
Production Engineer	1
Professional Development Program	1
Professional Development Program Engineer	1
Programmer	1
Programmer Analyst	1
Project Development Engineer	1
Project Engineer	10
Project Manager	1
Project Manager I	2
Quality Engineer	1
Quality Purchasing Engineer	1
R&D Associate	1
R&D Engineer	1
REACH Engineer	2
Refinery Engineer	1
Research Engineer	1
Rotational Leadership Program - Analyst	1
Sales & Product Support Engineer	1
Sales Development Program	1
Server Systems Engineer	1
Shift resource	1

**Table 5: Job Title, *continued***

	N
Software Consultant	3
Software Developer	8
Software Development Engineer	1
Software Engineer	12
Software Engineer Developer	1
Software Engineer I	1
Software Engineering NCG	1
Software Support Specialist	1
Software Test Engineer	1
Special Inspector	1
Staff 1 Technology Advisory Program	1
Staff Engineer	3
Structural Engineer	3
Structural Test Engineer	1
Structure Engineer	1
Submarine Warfare Officer	2
Supply Chain Analyst	1
Supply Chain Resource	1
Support Engineer	1
Survey Instrument Person	1
Systems Engineer	5
Systems Engineer I	1
Technical Problem Solver	1
Technical Consultant	1

**Table 5: Job Title, *continued***

	N
Technical Consulting	1
Technical Professional Development Program	1
Technical Sales Associate	1
Technical Services	1
Technical solver	1
Technology Solutions Analyst	1
Tower Engineer I	1
Transit Service Planning Apprentice	1
Transmission Line Engineer	1
Transportation Engineering Associate	2
Transportation Engineering Intern	1
Traveling Education Assistant	1
Watson Software Quality Engineer	1
Wind Blade Innovation and Testing Engineer	1
n/a yet	1

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

	N	%
Career fair at NC State	159	53.7
Internship/externship	126	42.6
Applied for job via ePack	92	31.1
Campus Career Center	77	26.0
On-campus interviewing	70	23.6
Co-op experience	59	19.9
Personal connection(s) within the company	48	16.2
Family/friends/classmates/co-workers	45	15.2
Employer found resume on ePack	40	13.5
Employer info session on campus	33	11.1
Professional society	21	7.1
Internet	21	7.1
Faculty member or found job listing in an NC State dept	19	6.4
Consultation with NCSU Career Counselor/Coach	16	5.4
Career fair off campus	5	1.7
Staffing agency	5	1.7
Student teaching experience	3	1.0
Other	17	5.7

\*Respondents could select more than one resource.

## Further Education (college overall)

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

	N
Baylor College of Medicine	1
Clemson University	2
Colorado School of Mines	1
Cornell	1
Duke University	6
Georgia Institute of Technology	1
MIT	1
NC State University	30
Philadelphia University	1
Princeton University	1
Purdue University	1
Rice University	1
Syracuse University	1
UNC Chapel Hill	4
UVA	1
University of Akron	1
University of California Berkeley	2
University of California Santa Barbara	2
University of Colorado Boulder	1
University of Delaware	2
University of Houston	1

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

	N
University of Michigan	2
University of Nebraska Omaha	1
University of Washington	1
Virginia Tech	1
Wake Forest University	1
William & Mary	1

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

	N	%
North Carolina	41	59.4
California	4	5.8
Texas	3	4.3
Virginia	3	4.3
South Carolina	2	2.9
Colorado	2	2.9
New York	2	2.9
Delaware	2	2.9
Michigan	2	2.9
Georgia	1	1.4
Massachusetts	1	1.4
Pennsylvania	1	1.4
New Jersey	1	1.4
Indiana	1	1.4

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

	N	%
Ohio	1	1.4
Nebraska	1	1.4
Washington	1	1.4

**Table 9: Type of Degree**

	N	%
Master's	40	58.0
Doctoral	29	42.0
Professional	6	8.7

\*Respondents could select more than one degree.

**Table 10: Master's Degree**

	N
MA	1
MBA	1
MCRP	2
MCS	1
ME	5
MS	24
MSA	1
MSID	1
MSME	3
MSOP	1



**Table 11: Doctoral Degree**

	N
PhD	29

**Table 12: Professional Degree**

	N
JD	3
MD	1
OD	1
PharmD	1

**Table 13: Academic Program\***

	N
Aerospace Engineering	2
Aerospace Engineering Sciences - Astrodynamics and Satellite Navigation	1
Allied Health - Orthotics and Prosthetics	1
Analytics	1
Automotive Engineering	2
Biological and Biomedical Sciences PhD Program	1
Biomedical Engineering	4
Chemical Engineering	4
Chemical engineering	1
Civil and Environmental Engineering	1
Computer Engineering	1
Computer Science	4

**Table 13: Academic Program\*, continued**

	N
EPSE Program	1
Electric Power Systems Engineering	2
Electrical Engineering	2
Environmental Law	1
Exercise Science and Biomechanics	1
IAA	1
Industrial Design	1
Institute for Advanced Analytics - M.S. in Analytics	1
Law	1
Law School	1
M.S. Electrical Engineering	1
MBA	1
MS - Electrical Power Systems Engineering	1
MS Environmental Engineering	1
MSE	1
Master of Science in Information Management with a Certificate of Advanced Study in Information Security Management	1
Master's of Civil Engineering	1
Masters of Engineering	1
Masters of Engineering in Space Engineering	1
Masters of Engineering- Biomedical Engineering	1
Materials Science	1
Materials Science and Engineering	3
Mechanical Engineering	3
Mechanical Engineering MS/PhD	1

**Table 13: Academic Program\*, continued**

	N
Mechanical engineering	1
Medical Scientist Training Program (MD-PhD)	1
Network Engineering	1
Nuclear Engineering	5
Operations Research and Information Engineering	1
Optometry School	1
PhD chemical engineering	1
Pharmacy	1
Physics	1
Polymer Engineering	1
Structural Engineering, Materials and Mechanics	1
structural and materials	1

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

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