

**Combined Undergraduate Future Plans Surveys and Survey of Recent Graduates  
Academic Year 2017-2018 Graduates  
College of Engineering  
Summary Report**

This summary report presents combined results from graduating seniors participating in either the December 2017 or May 2018 Undergraduate Future Plans Survey (UFPS) or the follow-up September 2018 Survey of Recent Graduates (SRG) for the College of Engineering.

**Highlights for the College of Engineering**

- 69% of seniors in COE conferring degrees in the academic year 2017-2018 responded to the survey
- 73% of respondents in COE said they had obtained a full-time position
- COE graduates with full-time employment (excluding internships) reported an average starting salary of \$64,425 (median = \$66,250)
- 67% of COE graduates with full-time employment said they would be working in North Carolina (44% in the Research Triangle Area)
- 15% of respondents in COE indicated they were planning to go to graduate/professional school in the year after graduation
- 56% of COE 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 academic year 2017-2018 graduates in each of the College of Engineering departments. It includes the number of students in the departments who graduated between December 2017 and the second summer session in 2018, as well as the number of those students who submitted the Undergraduate Future Plans Survey and/or the Survey of Recent Graduates. 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 to attend graduate or professional school. 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 |
|--|-------------------|--------------------|---------------|-----------------|---------------------|------------------------|---------------|------------------------|----------------|--------------------|
| Biomedical Engineering                             | 117               | 51                 | 43.6%         | 29              | 13                  | 51,250                 | 58,750        | 71,250                 | 58,068         | 22                 |
| Chemical Engineering                               | 150               | 104                | 69.3%         | 75              | 18                  | 66,250                 | 71,250        | 73,750                 | 69,401         | 71                 |
| Civil, Construction, and Environmental Engineering | 175               | 127                | 72.6%         | 112             | 11                  | 56,250                 | 58,750        | 61,250                 | 58,800         | 100                |
| College of Engineering Dean's Office               | 27                | 13                 | 48.1%         | 10              | 2                   | 58,750                 | 63,750        | 66,250                 | 59,861         | 9                  |
| Computer Science                                   | 190               | 120                | 63.2%         | 88              | 8                   | 66,250                 | 71,250        | 76,250                 | 71,519         | 79                 |
| Electrical and Computer Engineering                | 219               | 188                | 85.8%         | 133             | 32                  | 61,250                 | 66,250        | 71,250                 | 65,640         | 123                |
| Fitts Dept Indust & Syst Engr                      | 98                | 76                 | 77.6%         | 58              | 9                   | 61,250                 | 66,250        | 71,250                 | 66,136         | 55                 |
| Materials Science and Engineering                  | 49                | 40                 | 81.6%         | 19              | 16                  | 46,250                 | 60,000        | 66,250                 | 54,722         | 18                 |
| Mechanical and Aerospace Engineering               | 281               | 178                | 63.3%         | 129             | 26                  | 56,250                 | 63,750        | 68,750                 | 62,876         | 113                |
| Nuclear Engineering                                | 29                | 18                 | 62.1%         | 11              | 5                   | 51,250                 | 60,000        | 66,250                 | 58,000         | 10                 |
| COE Overall  | 1335              | 915                | 68.5%         | 664             | 140                 | 58,750                 | 66,250        | 71,250                 | 64,425         | 600                |

\*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                            | 3  |
| ABM Electrical Power Solutions | 1  |
| AECOM                          | 2  |
| AFL Telecommunications         | 1  |
| ARCO Design/Build              | 1  |
| ATI Specialty Materials        | 1  |
| Abcam                          | 1  |
| Accenture                      | 4  |
| Adams & Hodge Engineering, PC  | 1  |
| Adrenaline Autosound           | 1  |
| Aerojet Rocketdyne             | 1  |
| Aerotek                        | 1  |
| Aeva Labs                      | 1  |
| AgData                         | 1  |
| Airbus                         | 1  |
| All Systems Broadband          | 1  |
| Allied Telesis                 | 1  |
| Allscripts                     | 1  |
| Allstate                       | 1  |
| Altec                          | 10 |
| Amazon                         | 4  |
| AmeriCorps                     | 1  |

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

|                                    | N |
|------------------------------------|---|
| American Accessories International | 1 |
| American Buildings Company         | 1 |
| American Efficient                 | 1 |
| American Tower Corporation         | 2 |
| Andritz                            | 1 |
| Anheuser-Busch                     | 1 |
| Apptio                             | 1 |
| Apro Resources                     | 1 |
| Arete Engineers                    | 1 |
| Armstrong Flooring                 | 1 |
| Armstrong Glen Inc.                | 1 |
| Army                               | 2 |
| Atlas Engineering                  | 1 |
| Avexis                             | 1 |
| Avid Solutions                     | 1 |
| Axon                               | 1 |
| BB&T                               | 1 |
| BMW Manufacturing Co.              | 2 |
| BN/AFit                            | 1 |
| BOSCH                              | 1 |
| BWX Technologies, Inc.             | 1 |
| BWXT                               | 1 |
| Baker Hughes                       | 1 |
| Bandwidth                          | 1 |
| Bank of America                    | 2 |
| Barry-Wehmiller Design Group       | 1 |

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

|                           | N |
|---------------------------|---|
| BayoTech                  | 1 |
| Bernhard MCC              | 1 |
| Bethesda Game Studios     | 2 |
| Big Huge Games            | 1 |
| Black & Veatch            | 5 |
| Blackbaud                 | 1 |
| Blackboard                | 1 |
| Blue Cross Blue Shield    | 1 |
| Blue Force Technologies   | 1 |
| Booth & Associates        | 1 |
| Booz Allen Hamilton       | 1 |
| Brasfield & Gorrie        | 3 |
| Bridgestone               | 1 |
| Brock Solutions           | 2 |
| Brooks Machine and Design | 1 |
| Brown and Caldwell        | 1 |
| Burns & McDonnell         | 1 |
| CHA Consulting            | 1 |
| CIMTEC Automation         | 1 |
| CITI-LLC                  | 1 |
| CLEARresult               | 1 |
| CLS Group                 | 1 |
| CRB Consulting Engineers  | 1 |
| Cadence Design Systems    | 1 |
| Campbells                 | 1 |
| Capital One               | 4 |

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

|                                     | N  |
|-------------------------------------|----|
| Carbon                              | 1  |
| Cargosphere                         | 1  |
| Carolina Solar Services             | 1  |
| Caterpillar                         | 2  |
| ChannelAdvisor                      | 1  |
| Charlotte Pipe                      | 1  |
| Charter Medical                     | 1  |
| Chemours                            | 1  |
| Cisco                               | 14 |
| Citrix                              | 3  |
| Clancy & Theys Construction Company | 1  |
| Coca-Cola Consolidated              | 1  |
| Consilio Legal Services             | 1  |
| Constellium                         | 1  |
| Corning                             | 2  |
| Corvid Technologies                 | 2  |
| Credit Suisse                       | 3  |
| Cree                                | 3  |
| Cru                                 | 1  |
| Cummins                             | 2  |
| Cumulus Networks                    | 1  |
| Cup't                               | 1  |
| DAVENPORT                           | 1  |
| DENSO Manufacturing                 | 6  |
| DRMP, Inc.                          | 1  |
| DaVita Kidney Care                  | 1  |

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

|                             | N  |
|-----------------------------|----|
| Davis and Brown Engineering | 1  |
| DeBlasio & Associates       | 1  |
| Dell                        | 1  |
| DellEMC                     | 1  |
| Deloitte                    | 11 |
| Delta Five Systems          | 1  |
| Delta Oaks Group            | 1  |
| Department of Defense       | 1  |
| Design Group                | 1  |
| Deutsche Bank               | 2  |
| Dewberry                    | 2  |
| Dominion Energy             | 1  |
| DuPont                      | 1  |
| Duke Energy                 | 14 |
| Duke Health                 | 1  |
| Dynetics                    | 1  |
| EASi                        | 2  |
| ESI                         | 1  |
| ESSCO                       | 1  |
| Eastman Chemical Company    | 4  |
| Eaton                       | 4  |
| Ecolab                      | 1  |
| Edens Land                  | 1  |
| Eli Lilly and Company       | 1  |
| Endeavor Air                | 1  |
| Engine Systems, Inc         | 1  |

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

|                                   | N  |
|-----------------------------------|----|
| Engineered Tower Solutions        | 2  |
| Entegra Systems                   | 1  |
| Epic Games Inc.                   | 1  |
| Epic Systems                      | 1  |
| Ernst & Young                     | 4  |
| Extreme Networks                  | 1  |
| Extron                            | 1  |
| ExxonMobil                        | 4  |
| FM Global                         | 1  |
| FRC-East                          | 1  |
| Facebook                          | 1  |
| Fanalytical                       | 1  |
| Fidelity Investments              | 13 |
| Fleet Readiness Center East       | 1  |
| Flowserve                         | 1  |
| Fortive                           | 1  |
| Fred Smith Company                | 1  |
| Freese & Nichols                  | 1  |
| Freshspire                        | 1  |
| Fujifilm Diosynth Biotechnologies | 1  |
| GE                                | 2  |
| GE Aviation                       | 3  |
| GE Healthcare                     | 1  |
| GE Power                          | 1  |
| GHD                               | 1  |
| GPM/gEHRiMed                      | 1  |



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

|                                     | N |
|-------------------------------------|---|
| Gannett Fleming                     | 1 |
| Garmin                              | 2 |
| Genworth Financial                  | 1 |
| Georgia-Pacific                     | 1 |
| Geosyntec Consultants               | 1 |
| Geotechnologies                     | 1 |
| Gilbane Building Company            | 1 |
| Gilbarco Veeder-Root                | 3 |
| GlaxoSmithKline                     | 1 |
| HDR Inc.                            | 2 |
| HNTB                                | 1 |
| HNTB Corporation                    | 1 |
| Halma                               | 1 |
| Hartness International              | 1 |
| Hendrick Motorsports                | 1 |
| Henkel Corporation                  | 1 |
| Herrick Technology Labs             | 1 |
| Highfill Infrastructure Engineering | 1 |
| Highland Industries                 | 1 |
| Hipp Engineering & Consulting       | 1 |
| Hirose Electrics                    | 1 |
| Holder Construction                 | 3 |
| Honda Aircraft                      | 1 |
| Honda R&D Americas, Inc             | 2 |
| Honeywell                           | 2 |
| Hourigan Construction               | 1 |

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

|   | N |
|---|---|
| Hughes Network Systems                                    | 1 |
| Huntington Ingalls  | 1 |
| Hydrostructures PA  | 1 |
| IBM   | 5 |
| ICIDIGITAL  | 1 |
| ITRE  | 2 |
| Infosys   | 3 |
| Insmmed   | 1 |
| International Paper                                       | 6 |
| Ipreo   | 2 |
| Itron   | 1 |
| JDS Consulting and Design                                 | 1 |
| JE Dunn Construction Company                              | 2 |
| John Deere  | 4 |
| Johns Hopkins Applied Physics Laboratory                  | 1 |
| Jones & Crossen Engineering                               | 1 |
| KAUST King Abdullah University of Science and Engineering | 1 |
| KPIT  | 1 |
| Kadro Solutions   | 1 |
| Kimley-Horn   | 5 |
| Knauf   | 1 |
| Kuenz America   | 1 |
| LKC Engineering   | 1 |
| LORD Corporation  | 3 |
| Little Diversified Architectural Consulting               | 1 |
| Lockheed Martin   | 1 |

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

|                                   | N  |
|-----------------------------------|----|
| Longent LLC                       | 1  |
| Lowe's                            | 1  |
| Lynch Mykins Structural Engineers | 1  |
| M.C. Dean                         | 3  |
| Mann+hummel                       | 1  |
| MapAnyThing                       | 1  |
| Maple Engineering                 | 1  |
| Massana Construction              | 1  |
| Maxwell Automotive                | 1  |
| McGill Associates                 | 1  |
| McKim & Creed                     | 3  |
| Medicom Technologies, Inc.        | 1  |
| Merck                             | 10 |
| MercuryGate International         | 2  |
| Merrick & Company                 | 1  |
| Mertek Solutions Inc.             | 1  |
| Messer Construction               | 1  |
| MetLife                           | 1  |
| MethodSense                       | 1  |
| Metrocon                          | 1  |
| Michelin                          | 1  |
| MicroMass Communications Inc.     | 1  |
| Microsoft                         | 1  |
| Mid-Atlantic Crane                | 1  |
| Moffatt & Nichol                  | 1  |
| Moog Components Group             | 1  |

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

|                                 | N  |
|---------------------------------|----|
| Mussett Nicholas and Associates | 2  |
| NAVAIR                          | 20 |
| NAVSEA                          | 1  |
| NC DEQ                          | 1  |
| NC State University             | 2  |
| NCDOT                           | 7  |
| NNS                             | 2  |
| NSA                             | 1  |
| Naval Nuclear Laboratories      | 1  |
| Naval Research Laboratory       | 1  |
| Newell Brands                   | 3  |
| Newport News Shipbuilding       | 1  |
| Nexteer Automotive              | 1  |
| Norfolk Naval Shipyard          | 2  |
| Northrop Grumman                | 2  |
| Novozymes                       | 2  |
| Nucor Steel                     | 1  |
| Nunya                           | 1  |
| Nutanix                         | 2  |
| OSIsoft                         | 1  |
| Occidental Chemical Corporation | 1  |
| Okta                            | 1  |
| OneH2                           | 1  |
| Oracle                          | 1  |
| Orsborn Engineering Group       | 1  |
| Parker Construction Group       | 1  |

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

|   | N |
|---|---|
| Pendo   | 2 |
| Pentair   | 2 |
| Pfizer  | 2 |
| Phillips and Jordan                             | 1 |
| Pike Corporation                                | 1 |
| Plexus  | 3 |
| Porticos  | 1 |
| Power Grid Engineering, LLC                     | 1 |
| Preformed Line Products                         | 1 |
| Premier Surgical; Oak Ridge National Laboratory | 1 |
| Procter & Gamble                                | 1 |
| Prometheus Group                                | 2 |
| Pureflow Inc.                                   | 1 |
| R. Joe Harris                                   | 1 |
| RE Mason Company                                | 1 |
| RELX Group                                      | 1 |
| RMF Engineering                                 | 2 |
| RS&H  | 3 |
| RTI International                               | 1 |
| Ramey Kemp & Associates                         | 1 |
| Raytheon  | 3 |
| Red Hat   | 1 |
| RedBud Labs                                     | 1 |
| Republic Refrigeration                          | 1 |
| Rockwell Collins                                | 3 |
| RoviSys   | 1 |

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

|                                  | N  |
|----------------------------------|----|
| Rovisys                          | 2  |
| S&ME                             | 1  |
| SAS                              | 14 |
| SKA Consulting Engineers         | 1  |
| SPX Transformer Solutions        | 1  |
| SSI Schaefer                     | 1  |
| STV Inc.                         | 1  |
| Sage Automotive Interiors        | 1  |
| Sageworks                        | 2  |
| Samet Corporation                | 1  |
| Samsung                          | 1  |
| Sanford Contractors              | 1  |
| Savannah River Nuclear Solutions | 2  |
| ScanMed                          | 1  |
| Schaeffler                       | 2  |
| Schneider Electric               | 5  |
| Schunk                           | 1  |
| Segars Engineering               | 1  |
| Sensus                           | 3  |
| Seqirus                          | 1  |
| Sequence                         | 1  |
| Shire                            | 1  |
| Shook Construction               | 1  |
| Siemens                          | 4  |
| Skanska USA                      | 1  |
| SkyLine Membership Corporation   | 1  |

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

|  | N |
|--|---|
| SmallHD                                  | 1 |
| Solvay Specialty Polymers                | 1 |
| Sonovol                                  | 1 |
| Southland Industries                     | 1 |
| St. Onge Company                         | 1 |
| Stalite                                  | 1 |
| Stantec                                  | 3 |
| Starr Electric                           | 1 |
| State Construction                       | 1 |
| SteelFab                                 | 1 |
| Sterling                                 | 1 |
| Stonewall Structural Engineering         | 1 |
| Summit                                   | 1 |
| Swinerton Renewable Energy               | 1 |
| Symbrium                                 | 2 |
| Systemex                                 | 1 |
| Systems Planning and Analysis            | 1 |
| Techtronic Industries                    | 2 |
| Teleflex Inc.                            | 1 |
| Tethis                                   | 1 |
| Texas Instruments                        | 1 |
| The Medical University of South Carolina | 1 |
| The Select Group                         | 1 |
| The Weidt Group                          | 1 |
| Thermaltek                               | 1 |
| Thrive Biotechnologies                   | 1 |

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

|                                      | N  |
|--------------------------------------|----|
| Timmons Group                        | 1  |
| Tower Engineering Professionals      | 3  |
| Trane                                | 1  |
| TransEnterix, Inc                    | 1  |
| Triad Design Group                   | 1  |
| Troxler Electronic Laboratories Inc. | 1  |
| Turner Broadcasting                  | 1  |
| Tutco                                | 1  |
| UNC School of Medicine               | 1  |
| US Air Force                         | 6  |
| US Marine Corps                      | 1  |
| US Navy                              | 17 |
| USPS                                 | 1  |
| Uchiyama Manufacturing America       | 1  |
| United Technologies CCS              | 1  |
| Unites States Gypsum Company         | 1  |
| University of Wurzburg               | 1  |
| VHB                                  | 3  |
| Vadum                                | 1  |
| Veolia                               | 1  |
| Verizon                              | 2  |
| Virginia Tech                        | 1  |
| Volkert                              | 2  |
| Volvo Group                          | 1  |
| Volvo Trucks                         | 3  |
| W.K. Dickson & Co., Inc.             | 1  |



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

|                 | N |
|-----------------|---|
| Wells Fargo     | 2 |
| Wells Global    | 1 |
| WestRock        | 7 |
| Whiting-Turner  | 1 |
| WillowTree      | 2 |
| Withers Ravenel | 1 |
| Xylem           | 1 |
| iCiDigital      | 1 |

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

|                      | N   | %    |
|----------------------|-----|------|
| North Carolina       | 436 | 67.4 |
| Virginia             | 35  | 5.4  |
| South Carolina       | 29  | 4.5  |
| Georgia              | 15  | 2.3  |
| Tennessee            | 15  | 2.3  |
| Maryland             | 13  | 2.0  |
| Texas                | 12  | 1.9  |
| Florida              | 10  | 1.5  |
| California           | 8   | 1.2  |
| Ohio                 | 7   | 1.1  |
| Washington           | 5   | 0.8  |
| Pennsylvania         | 4   | 0.6  |
| Alabama              | 4   | 0.6  |
| District of Columbia | 4   | 0.6  |
| Indiana              | 4   | 0.6  |
| Wisconsin            | 4   | 0.6  |

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

|               | N  | %   |
|---------------|----|-----|
| Illinois      | 3  | 0.5 |
| Colorado      | 3  | 0.5 |
| Massachusetts | 2  | 0.3 |
| Mississippi   | 2  | 0.3 |
| West Virginia | 2  | 0.3 |
| New Jersey    | 2  | 0.3 |
| Kentucky      | 2  | 0.3 |
| Louisiana     | 2  | 0.3 |
| Nebraska      | 2  | 0.3 |
| Oregon        | 1  | 0.2 |
| Kansas        | 1  | 0.2 |
| Michigan      | 1  | 0.2 |
| Arizona       | 1  | 0.2 |
| Iowa          | 1  | 0.2 |
| New Mexico    | 1  | 0.2 |
| Hawaii        | 1  | 0.2 |
| New York      | 1  | 0.2 |
| Not sure      | 14 | 2.2 |

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

|            | N   | %    |
|------------|-----|------|
| Triangle   | 271 | 43.7 |
| Outside NC | 202 | 32.6 |
| Other NC   | 147 | 23.7 |

\*Some respondents did not provide the name of the city in which they would be working and therefore region could not be determined.

**Table 5: Job Title**

|                                      | N |
|--------------------------------------|---|
| 2LT Transportation Officer           | 1 |
| 2nd LT                               | 1 |
| Account Manager                      | 1 |
| Aeronautical Engineer                | 1 |
| Aerospace Engineer                   | 6 |
| Aircraft Maintenance Officer         | 1 |
| AmeriCorps VISTA                     | 1 |
| Amodel Production Engineer           | 1 |
| Analyst                              | 5 |
| Analytics                            | 1 |
| Application Engineer                 | 2 |
| Applications Engineer                | 4 |
| Assay Technician                     | 1 |
| Assistant Engineer                   | 1 |
| Assistant Materials Engineer         | 1 |
| Assistant Mechanical Engineer        | 1 |
| Assistant Project Manager            | 4 |
| Assistant Superintendent             | 2 |
| Assoc Engineer-Prod Dev              | 1 |
| Associate                            | 2 |
| Associate Chemical Engineer          | 1 |
| Associate Consultant                 | 2 |
| Associate Data Engineer              | 1 |
| Associate Developer                  | 1 |
| Associate Embedded Software Engineer | 1 |

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

|                                   | N  |
|-----------------------------------|----|
| Associate Engineer                | 5  |
| Associate Professional            | 1  |
| Associate Programmer              | 1  |
| Associate Project Engineer        | 1  |
| Associate Quality Engineer        | 3  |
| Associate RF Engineer             | 1  |
| Associate Scientist               | 1  |
| Associate Software Developer      | 6  |
| Associate Software Engineer       | 5  |
| Associate Specialist, Engineering | 4  |
| Associate Systems Administrator   | 1  |
| Associate Systems Engineer        | 1  |
| Associate Test Engineer           | 3  |
| Associate Web Developer           | 1  |
| AutoCAD Designer                  | 1  |
| Automation Engineering Intern     | 1  |
| Automation Test Engineer          | 1  |
| Aviation Engineer I               | 1  |
| Biomed Specialist I               | 1  |
| Bioprocess Engineer               | 1  |
| Brewer Training Program           | 1  |
| Bridge Engineer in Training       | 1  |
| Business Analyst                  | 1  |
| Business Development Analyst      | 1  |
| Business Technology Analyst       | 10 |
| Business Technology Associate     | 1  |

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

|  | N |
|--|---|
| CEI  | 1 |
| CEO  | 3 |
| CEO and Founder                              | 1 |
| CTO, Co-founder                              | 1 |
| Candidate                                    | 1 |
| Capital Markets Technology Analyst           | 2 |
| Captain CRJ-900                              | 1 |
| Career Development Engineer                  | 1 |
| Chemical Engineer                            | 1 |
| Chemical Engineer - Assistance To Operations | 1 |
| Chief Operating Officer                      | 1 |
| Civil Analyst                                | 2 |
| Civil Designer                               | 1 |
| Civil Designer/ Engineering Intern           | 1 |
| Civil Engineer Designer                      | 1 |
| Civil Engineer I                             | 2 |
| Civil Engineer in Training                   | 2 |
| Civil/Environmental Engineer I               | 1 |
| Civil/Structural Engineer I                  | 1 |
| College Ministry Intern                      | 1 |
| Commercial Leadership Program                | 1 |
| Computational Analyst                        | 1 |
| Computer Science Race Engineer               | 1 |
| Computer Systems Engineer                    | 1 |
| Consultant I                                 | 1 |
| Controller                                   | 1 |

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

|   | N  |
|---|----|
| Controls Engineer                             | 2  |
| Controls Programmer                           | 1  |
| Controls Programming Engineer                 | 1  |
| Controls System Engineer                      | 1  |
| Data Analyst                                  | 3  |
| Data Integration Specialist                   | 1  |
| Database Administrator                        | 1  |
| Database Engineer                             | 1  |
| Dedication Engineer                           | 1  |
| Design Engineer                               | 13 |
| Design Engineer II                            | 1  |
| Design Solutions Engineer                     | 1  |
| DevOps System Administrator                   | 1  |
| Development Engineer - Fiber Optics           | 1  |
| Digital Engineer                              | 1  |
| Digital IT Intern                             | 1  |
| Digital Solutions Developer                   | 1  |
| Distribution Engineer I                       | 1  |
| E.I.  | 2  |
| Edison Engineer                               | 1  |
| Edison Engineering Development Program Member | 1  |
| Electrical Dedication Engineer                | 1  |
| Electrical Design Engineer                    | 1  |
| Electrical Engineer                           | 5  |
| Electrical Engineer I                         | 5  |
| Electrical Engineering Intern                 | 1  |

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

|   | N  |
|---|----|
| Electrical Intern                                     | 1  |
| Electrical Product Engineer                           | 1  |
| Electrical Project Engineer                           | 1  |
| Electronics Engineer                                  | 8  |
| Electronics Engineering Associate                     | 1  |
| Embedded Software Engineer                            | 1  |
| Embedded Software Test Engineer                       | 1  |
| Embedded Systems Engineer                             | 1  |
| Energy Engineer I                                     | 1  |
| Engine Design Engineer                                | 1  |
| Engineer  | 13 |
| Engineer I  | 9  |
| Engineer I - Supervisory Control and Data Acquisition | 1  |
| Engineer Intern                                       | 2  |
| Engineer Technician                                   | 1  |
| Engineer in Training                                  | 3  |
| Engineering Assistant                                 | 1  |
| Engineering Associate                                 | 2  |
| Engineering Development Program                       | 1  |
| Engineering Development Program Engineer              | 1  |
| Engineering Duty Officer                              | 1  |
| Engineering Intern                                    | 6  |
| 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 Support                           | 1 |
| Engineering Support Specialist                | 1 |
| Engineering Tech                              | 1 |
| Engineering Technician Designer               | 1 |
| Engineering and Operations Management Program | 1 |
| Ensign  | 1 |
| Ensign, USN                                   | 1 |
| Entry Level Engineer                          | 2 |
| Entry Level Geotechnical Engineer             | 1 |
| Entry Level Mechanical Engineer               | 1 |
| Entry Level Structural/Bridge Engineer        | 1 |
| Environmental Analyst                         | 1 |
| Estimator                                     | 1 |
| FBS Engineer                                  | 1 |
| Field Engineer                                | 3 |
| Field Industrial Engineer                     | 1 |
| Field Service Trainee                         | 1 |
| Field Staff                                   | 1 |
| Firefighter                                   | 1 |
| Firmware Engineer                             | 1 |
| Founder                                       | 1 |
| Founder/Owner/Engineer/Designer               | 1 |
| Front-end Developer                           | 1 |
| Gameplay Capture Specialist                   | 1 |
| Global Technology Analyst                     | 1 |



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

|                                       | N |
|---------------------------------------|---|
| Graduate Development Program Trainee  | 1 |
| Graduate Engineer                     | 1 |
| Graduate Research Assistant           | 1 |
| Group Engineer                        | 1 |
| Group Engineer - Mechatronics         | 1 |
| Hardware Engineer                     | 2 |
| Hardware/RF Engineer                  | 1 |
| Hydraulic Designer                    | 1 |
| IT Associate II                       | 1 |
| IT Development Program                | 1 |
| IT Project Manager                    | 1 |
| Industrial Engineer                   | 3 |
| Innovation Partnership Manager        | 1 |
| Inside Sales Engineer                 | 2 |
| Instrumentation & Controls Engineer I | 1 |
| Integration Manager                   | 1 |
| Integration Specialist                | 1 |
| Intern                                | 5 |
| Java Developer                        | 1 |
| Java Web Developer                    | 1 |
| Jr Design Engineer                    | 1 |
| Jr Project Engineer                   | 1 |
| Junior Application Engineer           | 1 |
| Junior Software Engineer              | 3 |
| LDP                                   | 1 |
| LEAD Program Engineer                 | 1 |

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

|  | N  |
|--|----|
| Leadership Development Program - Technology Stream | 1  |
| Logistics Coordinator                              | 1  |
| Machine Design Electrical Engineer                 | 1  |
| Machinist  | 1  |
| Management Engineer                                | 1  |
| Manufacturing                                      | 1  |
| Manufacturing Associate                            | 1  |
| Manufacturing Associate I, Upstream                | 1  |
| Manufacturing Engineer                             | 12 |
| Manufacturing Engineer I                           | 1  |
| Materials Engineer                                 | 2  |
| Mechanical Designer                                | 2  |
| Mechanical Drafter                                 | 1  |
| Mechanical Engineer                                | 11 |
| Mechanical Engineer I                              | 4  |
| Mechanical Project Engineer                        | 1  |
| Mechatronics Engineer                              | 1  |
| Mobile Application Developer                       | 1  |
| N/A  | 1  |
| NPD Electrical Engineer                            | 1  |
| Naval Aviator                                      | 1  |
| Naval Officer                                      | 1  |
| Network Eng 2                                      | 1  |
| Network Engineer                                   | 1  |
| Network Operations Engineer                        | 2  |
| Nuclear Engineer                                   | 1  |

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

|   | N  |
|---|----|
| Nuclear Engineer I  | 1  |
| Nuclear Propulsion Engineer                               | 1  |
| Nuclear Prototype Unit Instructor                         | 1  |
| Nuclear Submarine Officer                                 | 2  |
| Nuclear Surface Warfare Officer                           | 1  |
| Nuclear Test Engineer                                     | 1  |
| Nuke Machinist Mate                                       | 1  |
| OMLP (Operation Management Leadership Program)            | 4  |
| Office Engineer   | 3  |
| Officer   | 1  |
| Officer Candidate   | 1  |
| Operations Industrial Engineer                            | 1  |
| Operations for Engineers - Leadership Development Program | 1  |
| Optimization Engineer                                     | 1  |
| Performance Engineer                                      | 2  |
| Pilot   | 1  |
| Plant Engineering   | 1  |
| Power Engineering Technologist II                         | 1  |
| Power Systems Engineer                                    | 1  |
| Power and Automation Leadership Program                   | 1  |
| Predictive Analytics Specialist                           | 1  |
| Process Associate Engineer II                             | 1  |
| Process Design Engineer                                   | 1  |
| Process Design Manager                                    | 1  |
| Process Development Engineer                              | 1  |
| Process Engineer  | 19 |

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

|  | N  |
|--|----|
| Process Engineer I                             | 1  |
| Process Improvement Engineer                   | 1  |
| Process Sustaining Engineer 1                  | 1  |
| Product Design Engineering Development Program | 1  |
| Product Development Engineer                   | 2  |
| Product Documentation Engineer                 | 1  |
| Product Engineer                               | 1  |
| Product Manager                                | 1  |
| Product Support Engineer                       | 1  |
| Production Engineer                            | 4  |
| Production Manager                             | 1  |
| Professional Development Program               | 1  |
| Programming Contractor                         | 1  |
| Project Engineer                               | 20 |
| Project Engineer I                             | 4  |
| Project Manager                                | 2  |
| Project Metallurgist                           | 1  |
| Project/Field Engineer                         | 1  |
| Protection & Control Engineer                  | 1  |
| Quality Assurance Engineer                     | 1  |
| Quality Engineer                               | 1  |
| Quality Engineer I                             | 1  |
| Quality Process Engineer                       | 1  |
| R&D Program Manager                            | 1  |
| R&M Engineer                                   | 1  |
| REACH Engineer                                 | 2  |

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

|   | N  |
|---|----|
| RF Engineer                               | 1  |
| RF/Microwave Design Engineer              | 1  |
| Reliability Maintenance Engineering       | 1  |
| Remediation Engineer                      | 1  |
| Requirements Engineer                     | 1  |
| Requirements and Optimization Engineer    | 1  |
| Research Assistant                        | 4  |
| Research Associate                        | 2  |
| Research Specialist                       | 1  |
| Research and Development Engineer         | 1  |
| Researcher                                | 1  |
| Roadway Design Engineer I                 | 1  |
| Roadway Designer                          | 1  |
| Rotational Development Program Associate  | 3  |
| SCADA Engineer                            | 1  |
| Sales Engineer                            | 5  |
| Semiconductor Manufacturing Technician II | 1  |
| Software Developer                        | 4  |
| Software Development Engineer             | 3  |
| Software Engineer                         | 35 |
| Software Engineer I                       | 4  |
| Software Engineer M.S. Intern             | 1  |
| Software Engineering                      | 1  |
| Software QA Engineer                      | 1  |
| Software Tester                           | 1  |
| Specialist Engineer                       | 1  |

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

|   | N |
|---|---|
| Staff Engineer                            | 2 |
| Staff Engineer I                          | 1 |
| Staff Professional                        | 1 |
| Staff Professional 1                      | 1 |
| Stress Engineer                           | 1 |
| Structural Designer                       | 3 |
| Structural Engineer                       | 2 |
| Structural Engineer EIT                   | 1 |
| Structural Engineer I                     | 4 |
| 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 |
| Superintendent                            | 1 |
| Surface Warfare Officer                   | 2 |
| Surgical Scribe; Post-Bac Research Fellow | 1 |
| System Protection Engineer                | 1 |
| Systems Analyst                           | 2 |
| Systems Developer                         | 1 |
| Systems Engineer                          | 7 |
| Systems Engineer I                        | 2 |
| Systems Engineer/Lifecycles Engineer      | 1 |

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

|  | N |
|--|---|
| Systems Integration Engineer                 | 1 |
| Systems Reliability Engineer                 | 1 |
| Targeting Officer                            | 1 |
| Technical Analyst                            | 4 |
| Technical Consultant                         | 5 |
| Technical Intern                             | 1 |
| Technical Manufacturing Rotational Associate | 1 |
| Technical Problem Solver                     | 1 |
| Technical Sales                              | 1 |
| Technical Sales Associate                    | 1 |
| Technical Sales Engineer                     | 2 |
| Technical Support Engineer                   | 1 |
| Technical Support Specialist I               | 1 |
| Technical Writer Assistant                   | 1 |
| Technician                                   | 1 |
| Technology Advisor                           | 2 |
| Technology Advisory Consultant               | 1 |
| Technology Advisory Program Consultant       | 1 |
| Technology Analyst                           | 6 |
| Test Engineer                                | 2 |
| Test Engineer I                              | 1 |
| Test Operations Engineer                     | 1 |
| Tower Engineer                               | 1 |
| Tower Engineer I                             | 2 |
| Traffic Engineer                             | 1 |
| Training Engineer Associate                  | 1 |

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

|                                      | N |
|--------------------------------------|---|
| Transportation Engineer              | 1 |
| Transportation Engineer Associate    | 1 |
| Transportation Engineer I            | 1 |
| Transportation Engineering Assistant | 1 |
| Transportation Engineering Associate | 3 |
| Transportation Planner               | 2 |
| Validation Engineer                  | 2 |
| Verification Engineer                | 1 |
| Verification Specialist              | 1 |
| XPlant Manufacturing Engineer        | 1 |



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

|   | N   | %    |
|---|-----|------|
| Internship/externship                                   | 301 | 45.3 |
| Career fair at NC State                                 | 283 | 42.6 |
| Applied for job via ePack                               | 160 | 24.1 |
| On-campus interviewing                                  | 128 | 19.3 |
| Campus or college career center center                  | 123 | 18.5 |
| Co-op experience  | 116 | 17.5 |
| Personal connection(s) within the company               | 102 | 15.4 |
| Family/friends/classmates/co-workers                    | 95  | 14.3 |
| LinkedIn  | 88  | 13.3 |
| Internet: Other   | 58  | 8.7  |
| Employer info session on campus                         | 51  | 7.7  |
| Employer found resume on ePack                          | 33  | 5.0  |
| Faculty member or found job listing in an NC State dept | 33  | 5.0  |
| Professional society                                    | 32  | 4.8  |
| Consultation with NC State Career Counselor/Coach       | 21  | 3.2  |
| Volunteer work**  | 18  | 3.5  |
| Staffing agency   | 14  | 2.1  |
| Student teaching experience                             | 9   | 1.4  |
| Career fair off campus                                  | 7   | 1.1  |
| Other   | 50  | 7.5  |

\*Respondents could select more than one resource.

\*\*New item added in May 2018 FPS and September 2018 SRG.

## 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             | 128 | 91.4 |
| Have been accepted but undecided                        | 2   | 1.4  |
| Have applied, but not yet been accepted                 | 4   | 2.9  |
| Have not applied but plan to do so within the next year | 6   | 4.3  |

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 to pursue another degree and were currently enrolled or knew where they would be going.

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

|   | N  |
|---|----|
| Auburn University                       | 1  |
| Carnegie Mellon University              | 2  |
| 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                     | 72 |
| National Louis University               | 1  |
| Purdue University                       | 3  |
| Shepherds Theological Seminary          | 1  |
| The Ohio State University               | 2  |
| UC Berkeley                             | 1  |

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

|                                      | N |
|--------------------------------------|---|
| UC Santa Barbara                     | 1 |
| UNC Chapel Hill                      | 4 |
| 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 |
| University of Maryland, College Park | 1 |
| University of Michigan               | 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 9: Location of Graduate/Professional School Students will be Attending**

|                       | N  | %    |
|-----------------------|----|------|
| North Carolina        | 79 | 61.7 |
| Virginia              | 7  | 5.5  |
| Georgia               | 5  | 3.9  |
| Outside United States | 5  | 3.9  |
| Texas                 | 5  | 3.9  |

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

|                | N | %   |
|----------------|---|-----|
| Indiana        | 3 | 2.3 |
| Ohio           | 3 | 2.3 |
| Michigan       | 3 | 2.3 |
| Pennsylvania   | 2 | 1.6 |
| South Carolina | 2 | 1.6 |
| Massachusetts  | 2 | 1.6 |
| Illinois       | 2 | 1.6 |
| California     | 2 | 1.6 |
| Colorado       | 2 | 1.6 |
| Alabama        | 1 | 0.8 |
| Wyoming        | 1 | 0.8 |
| Delaware       | 1 | 0.8 |
| Maryland       | 1 | 0.8 |
| New Mexico     | 1 | 0.8 |
| Washington     | 1 | 0.8 |

**Table 10: Type of Degree\***

|              | N  | %    |
|--------------|----|------|
| Master's     | 88 | 68.8 |
| Doctoral     | 35 | 27.3 |
| Professional | 7  | 5.5  |

\*Respondents could select more than one degree.

**Table 11: Master's Degree**

|       | N  |
|-------|----|
| CPE   | 1  |
| M     | 1  |
| MAT   | 1  |
| MArch | 1  |
| MBID  | 1  |
| MCPE  | 1  |
| MCRP  | 4  |
| ME    | 15 |
| MENE  | 1  |
| MFM   | 1  |
| MHS   | 1  |
| MIE   | 4  |
| MNE   | 1  |
| MOP   | 1  |
| MOR   | 1  |
| MPA   | 1  |
| MPhil | 1  |
| MR    | 1  |
| MS    | 39 |
| MSAE  | 1  |
| MSENE | 1  |
| MSME  | 7  |
| MSTS  | 1  |

**Table 12: Doctoral Degree**

|     |    |
|-----|----|
|     | N  |
| PhD | 35 |

**Table 13: Professional Degree**

|    |   |
|----|---|
|    | N |
| JD | 2 |
| MD | 5 |

**Table 14: Academic Program/Discipline Enrolled In\***

|                                     | N |
|-------------------------------------|---|
| ABM - CNE                           | 1 |
| Aerospace Engineering               | 4 |
| Aerospace engineering               | 1 |
| Automotive Engineering              | 1 |
| Bioengineering                      | 1 |
| Bioengineering PhD                  | 1 |
| Biomedical Engineering              | 3 |
| Biomedical engineering              | 1 |
| CBE PhD                             | 1 |
| CPE                                 | 2 |
| Chemical & Biomolecular Engineering | 1 |
| Chemical Engineering                | 3 |
| Chemical Engineering PhD            | 1 |
| Chemical engineering                | 1 |
| Chemical engineering Phd            | 1 |
| Civil Engineering                   | 4 |
| Civil Engineering, Structures       | 1 |

**Table 14: Academic Program/Discipline Enrolled In\*, *continued***

|   | N |
|---|---|
| Computer Engineering  | 4 |
| Computer Science  | 5 |
| Computer science  | 1 |
| Doctorate of Philosophy in Material Science and Engineering | 1 |
| ECE   | 2 |
| EE  | 1 |
| EPSE at the FREEDM Systems Center                           | 1 |
| Ece   | 1 |
| Electrical Engineering                                      | 9 |
| Electrical and Computer Engineering                         | 2 |
| Electrical engineering                                      | 4 |
| Energy Systems Engineering                                  | 1 |
| Environmental Engineering                                   | 2 |
| Financial Mathematics                                       | 1 |
| Industrial Engineering                                      | 1 |
| Information Technology - Data Science Engineering           | 1 |
| Law   | 2 |
| MAE   | 1 |
| MD  | 1 |
| MD/PhD (Biomedical Engineering)                             | 1 |
| MENE  | 1 |
| MIE   | 1 |
| MSE   | 3 |
| MSECE   | 1 |
| Master of Biomedical Innovation and Development Program     | 1 |
| Master of Industrial Engineering                            | 1 |

**Table 14: Academic Program/Discipline Enrolled In\*, *continued***

|   | N  |
|---|----|
| 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 Electrical Engineering           | 1  |
| Masters of Science in Analytics             | 1  |
| Masters of Theological Studies              | 1  |
| Materials                                   | 1  |
| Materials Science & Engineering             | 1  |
| Materials Science and Engineering           | 3  |
| Mechanical Engineering                      | 13 |
| Mechanical Engineering (Acoustics)          | 1  |
| Medical School                              | 1  |
| Medicine                                    | 1  |
| Molecular Engineering PhD                   | 1  |
| Ms ISE                                      | 1  |
| Nuclear Engineering                         | 2  |
| Nuclear Science and Engineering             | 1  |
| OR  | 1  |
| Operations Research                         | 2  |
| PhD - Chemical and Biomolecular Engineering | 1  |
| Physiology                                  | 2  |
| School of Medicine                          | 1  |
| Secondary Education                         | 1  |
| Structual Engineering & Mechanics           | 1  |



**Table 14: Academic Program/Discipline Enrolled In\*, *continued***

|                        | N |
|------------------------|---|
| aerospace engineering  | 1 |
| computer science       | 1 |
| ece                    | 1 |
| mechanical engineering | 1 |

\*Academic program has not been cleaned. This is verbatim what the respondent typed.

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