

GRADUATE
FOLLOW-UP REPORT
UNIVERSITY OF MINNESOTA DULUTH

2018 - 2019

Mechanical Engineering

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Mechanical Engineering

(Bachelor of Science in Mechanical Engineering)

Annual Comparison

| July 1 to June 30 | 2014-15 | 2015-16 | 2016-17 | 2017-18 | 2018-19 |
|---|---------------|--------------|--------------|---------------|---------------|
| Students Granted Baccalaureate Degrees | 76 | 92 | 90 | 123 | 122 |
| Baccalaureate Degree Respondents | 72 95% | 90 98% | 89 99% | 116 94% | 117 96% |
| Respondents Employed | 65 90% | 83 92% | 86 97% | 104 90% | 105 90% |
| Respondents Employed in Minnesota | 56/65 86% | 61/82 74% | 69/85 81% | 79/104 76% | 85/105 81% |
| Respondents Continuing Education | 1 1% | 3 3% | 0 na | 8 7% | 7 6% |
| Internship Participation Respondents | 68 89% | 85 92% | 81 90% | 104 85% | 106 91% |
| Respondents completing an internship or co-op experience (not student teaching) | 54 79% | 68 80% | 54 67% | 75 72% | 80 75% |
| Respondents receiving academic credit for their internship or co-op experience | 9/49 18% | 24/68 35% | 15/54 28% | 19/75 25% | 21/69 30% |
| Respondents receiving payment for their internship or co-op experience | 47/47 100% | 66/68 97% | 53/54 98% | 75/75 100% | 69/70 99% |
| Respondents receiving an offer of employment from the internship or co-op site | 25/49 51% | 40/68 59% | 33/54 61% | 48/75 64% | 45/68 66% |
| Respondents accepting the employment offer | 15/25 60% | 33/40 83% | 20/33 61% | 28/48 58% | 32/44 71% |
| Study Abroad Participation Respondents | 68 89% | 86 93% | 81 90% | 104 85% | 96 82% |
| Respondents participating in a study abroad program | 7 10% | 2 2% | 2 2% | 5 5% | 3 3% |

Baccalaureate Statistics

| Awarded Majors ¹ | Survey Respondents ² | Employed | Cont Ed Undergrad | Cont Ed Grad/Prof | Not Seeking | Actively Seeking | No Info | Employed w/State Given | Employed in Minnesota | Employed in Minnesota | % Employed | % Placed ³ |
|-----------------------------|---------------------------------|----------|-------------------|-------------------|-------------|------------------|---------|------------------------|-----------------------|-----------------------|------------|-----------------------|
| 122 | 117 | 105 | 0 | 7 | 0 | 5 | 5 | 105 | 85 | 81% | 90% | 96% |

Reported Annual Salaries⁴

| # Respondents | Low | High | Mean | Median |
|---------------|-------|-------|-------|--------|
| 65 | 37440 | 87360 | 63239 | 63000 |

Job Relevance to Major

| | Related | Somewhat Related | Not Related | No Response |
|------------------------|---------|------------------|-------------|-------------|
| Respondents | 99 | 5 | 1 | 0 |
| % of Total Respondents | 94% | 5% | 1% | |

Internships

| Completed an internship ⁵ | | | Received academic credit for it | | | Was paid | | | Received an offer of employment | | | Accepted the offer | | |
|--------------------------------------|-------|-------|---------------------------------|-------|-------|-------------|-------|-------|---------------------------------|-------|-------|--------------------|-------|-------|
| Respondents ⁶ | # Yes | % Yes | Respondents | # Yes | % Yes | Respondents | # Yes | % Yes | Respondents | # Yes | % Yes | Respondents | # Yes | % Yes |
| 106 | 80 | 75% | 69 | 21 | 30% | 70 | 69 | 99% | 68 | 45 | 66% | 45 | 32 | 71% |

Study Abroad

| # Respondents | Studied Abroad | | Did not study abroad | | No response | |
|---------------|----------------|---------|----------------------|---------|-------------|---------|
| | Number | Percent | Number | Percent | Number | Percent |
| 96 | 3 | 3% | 93 | 97% | 21 | 18% |

¹ "Awarded Majors" includes all majors completed by an individual

² "Survey Respondents" includes all majors completed by an individual and does not include "No Info"

³ "% Placed" includes "Survey Respondents" who are "Employed," "Continuing Ed" and "Not Seeking"

⁴ Salary data is available when 3 or more full-time employed respondents provided salary information and includes all majors completed by an individual

⁵ "Internship" includes internship or co-op, but not student teaching

⁶ "Respondents" includes all majors completed by an individual

Where Students Interned Prior to Graduation

| | | | |
|-----------------------------|--------------------------|-------------------------------|---------------------------|
| 3M | Energy Insight | Logic PD | Seagate |
| Absolut Manufacturing | FeraDyne Outdoors | MC-Cubed | St. Jude Medical |
| Accraply | Flex Air | McGough Construction | Stone Machinery |
| Advanced Research Corp. | FLOE International | ME Global | Stratasys |
| Altec | Fritze Dezein | Metropolitan Mechanical | Super Radiator Coils |
| American Precision Avionics | Genesis Attachments | Contractors | Superior Lidgerwood Mundy |
| AMS Spectral UV | Graco | New Flyer | Team Industries |
| Bosch | Greenheck | Northern Power Products, Inc. | Terex Corporation |
| Boston Scientific | Greystar Electronics | Novaspect | The Jamar Company |
| Cargill | Hewlett-Packard | Packaging Corporation of | TIDI Products |
| Cirrus Aircraft | Hole Products | America | USG |
| Clearwater Composites | Honeywell | PAE ISR | UTC Aerospace Systems |
| Croix Gear & Manufacturing | Hydra-Flex | Pentair | Wood From the Hood |
| Design Ready Controls | Integer | Polaris | Xcel Energy |
| Doosan Bobcat | Krueger International | Power Step, Inc. | YMCA |
| Eaton | Lake Superior Consulting | Real Estate Master | Ziegler CAT |
| Elkay Manufacturing | Lockheed Martin | Sappi | |

Employed & Continuing Education After Graduation

| | |
|--|--|
| 3M, St. Paul, MN - Design Engineer | Bretting, Ashland, WI - Mechanical Engineer |
| 3M, St. Paul, MN - Project Engineer | BW Papersystems, Phillips, WI - Field Service Engineer |
| Abbott, Plymouth, MN - Process Engineer | Candela Medical, Wayland, MA - Mechanical Engineer |
| Accraply, Brooklyn Park, MN - Mechanical Engineer | Cargill, Fullerton, CA - Production Management Engineer |
| Advanced Process Technologies, Cokato, MN - Controls Engineer | Carlisle Fluid Technologies, Blaine, MN - CAD Design Engineer |
| Altec, Duluth, MN - Manufacturing Engineer (2) | Chart Industries, New Prague, MN - Mechanical Designer II |
| Altec, Osceola, IA - Manufacturing Engineer | Cirrus Aircraft, Duluth, MN - Manufacturing Engineer |
| American Engineering Testing, St. Paul, MN - Engineering Technician 1 | Cirrus Aircraft, Duluth, MN - Propulsion Engineer |
| Andersen Corporation, Bayport, MN - Ongoing Product Development Engineer | Clearwater Composites, Duluth, MN - Manufacturing Engineer |
| Arctic Cat, Thief River Falls, MN - Mechanical Engineer (2) | Crenlo, Rochester, MN - Manufacturing Engineer |
| ASI, Division of Thermal Technologies, Green Bay, WI - Mechanical Engineer | Croix Gear & Manufacturing, Hudson, WI - Mechanical Engineer |
| Benchmark Electronics, Winona, MN - Product Engineer 1 | Curtiss-Wright, Minneapolis, MN - Mechanical Design Engineer |
| Bergari Solutions, Rosemount, MN - Mechanical Engineer | Dahl Consulting, Plymouth, MN - Publication Development Specialist |
| Bosch, Owatonna, MN - Mechanical Engineer | Daikin Applied, Plymouth, MN - Application Engineer |
| Boston Scientific, Maple Grove, MN - Manufacturing Engineer | Design Tanks, Sioux Falls, SD - Design & Process Engineer |
| Boston Scientific, Minneapolis, MN - Designer 1 | DS Smith, Lester Prairie, MN - Product Design Engineer |
| Boston Scientific, St. Paul, MN - Supplier Engineer | Duluth, MN - Manufacturing Engineer |
| | Eaton, Dacono, CO - Product Manager |
| | Ecolab, St. Paul, MN - Mechanical Engineer |

Employed & Continuing Education After Graduation (cont.)

FLOE International, McGregor, MN - Engineer
Fritze Dezein, Hastings, MN - Engineer
General Pattern Company, Blaine, MN - Manufacturing Engineer
Geotek, Stewartville, MN - Test Engineer
Gilbert Mechanical Contractors, Edina, MN - Design Engineer
Hewlett-Packard, Chippewa Falls, WI - Mechanical Engineer
Hole Products, Little Falls, MN - Junior Mechanical Engineer
Honeywell, Minneapolis, MN - Manufacturing Engineer
HSR Associates, La Crosse, WI - Mechanical Technician
Hydra-Flex, Savage, MN - Manufacturing Engineer
Innovatech Labs, Plymouth, MN - Quality Engineer
Integer, Brooklyn Park, MN - Quality Engineer 1
IntelliGen Technologies, Madison, WI - Mechanical Engineer
L&M Radiator, Inc., Hibbing, MN - Design Application Engineer
Lake Superior Consulting, Duluth, MN - Mechanical Engineer (2)
Lake Superior Consulting, Duluth, MN - Pipeline Engineer (2)
LasX Industries, White Bear Lake, MN - Project Engineer
Lockheed Martin, Palmdale, CA - Manufacturing Engineer
MedSource Labs, Chaska, MN - Product Development Specialist
Medtronic, Minneapolis, MN - Reliability Engineer
ME Global, Duluth, MN - Engineer
ME Global, Duluth, MN - Pattern Shop Supervisor
Michaud Cooley Erickson, Minneapolis, MN - Fire Protection Engineer
Micro Tech Computers, Burnsville, MN - Design Engineer
Molded Fiber Glass Companies, Gainesville, TX - Process Engineer
Nonin, Plymouth, MN - Mechanical Engineer
Nordic Components, Waconia, MN - Mechanical Design Engineer
Northern Power Products, Inc., Eagan, MN - Product Support Engineer
Northrop Grumman, Plymouth, MN - Associate Manufacturing Engineer
Nystrom, Brooklyn Park, MN - Product Engineer
Olympus Surgical Technologies America, Brooklyn Park, MN - Market Quality Engineer
Omnetics Connector Corporation, Fridley, MN - Project Engineer
Oshkosh Defense, Oshkosh, WI - Engineer
Oshkosh Defense, Oshkosh, WI - Testing & Development Mechanical Engineer
PAE ISR, Sterling, VA - Mechanical Engineer II
Parker Hannifin, New Hope, MN - Sustaining Design Engineer
Pettibone Traverse Lift, Baraga, MI - Value Added Value Engineer
Polaris, Roseau, MN - Manufacturing Engineer
Polaris, Roseau, MN - Powertrain EDP Validation Engineer

Polaris, Wyoming, MN - Engineering Development Program Powertrain Associate Engineer
Power Engineer & Manufacturing, Blaine, MN - Production Engineer
Real Estate Master, Maplewood, MN - Carpenter
Reell Precision Manufacturing, St. Paul, MN - Mechanical Engineer I
RFA Engineering, Eden Prairie, MN - Mechanical Engineer 1
Sappi, Cloquet, MN - Maintenance Supervisor
Seagate, Shakopee, MN - Mechanical Engineer
Smith Engineering, Chaska, MN - Design Engineer
Solar Turbines, San Diego, CA - Design Engineer
SpecSys, Cloquet, MN - Mechanical Engineer
Stanley LaBounty, Two Harbors, MN - Design Engineer
Summit Medical, Eagan, MN - Mechanical Engineer
Sunbelt Rental, Burnsville, MN - HVAC Design Engineer
Swagelok Minnesota, Chaska, MN - Sales Engineer
Textron Specialized Vehicles, St. Cloud, MN - Manufacturing Engineer
The Toro Company, Shakopee, MN - Mechanical/Manufacturing Engineer
The Toro Company, Windom, MN - Manufacturing Engineer
TKDA, Duluth, MN - Rail Division Mechanical Engineer
Twin City Fan, Plymouth, MN - Product Marketing Engineer
UPS, Minneapolis, MN - Industrial Engineering Supervisor
Vante, Tucson, AZ - Design Engineer I
Windsor Engineers, Duluth, MN - Mechanical Engineer-in-Training
Wood From the Hood, Minneapolis, MN - Assistant
Xcel Energy, St. Paul, MN - Pipeline Compliance & Standards Engineer
YMCA, Minneapolis, MN - Facilities & Building Engineer
Zierden Builders, Duluth, MN - Construction Laborer

Graduate School, Applied Materials Science, University of Minnesota
Duluth, Duluth, MN (3)
Graduate School, Environmental Health & Safety, University of Minnesota
Duluth, Duluth, MN
Graduate School, Mechanical Engineering, University of Minnesota Duluth,
Duluth, MN (3)