# 2016-17 UMD Graduate Follow-up Report

## Biology

*(Bachelor of Arts or Bachelor of Science)*

### Annual Comparison

<table>
<thead>
<tr>
<th>July 1 to June 30</th>
<th>2012-13</th>
<th>2013-14</th>
<th>2014-15</th>
<th>2015-16</th>
<th>2016-17</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Students Granted Baccalaureate Degrees</strong></td>
<td>139</td>
<td>133</td>
<td>124</td>
<td>123</td>
<td>108</td>
</tr>
<tr>
<td><strong>Baccalaureate Degree Respondents</strong></td>
<td>127</td>
<td>113</td>
<td>110</td>
<td>97</td>
<td>94</td>
</tr>
<tr>
<td>Respondents Employed</td>
<td>85</td>
<td>86</td>
<td>75</td>
<td>56</td>
<td>64</td>
</tr>
<tr>
<td>Respondents Employed in Minnesota</td>
<td>62/83</td>
<td>71/85</td>
<td>58/75</td>
<td>44/55</td>
<td>54/64</td>
</tr>
<tr>
<td>Respondents Continuing Education</td>
<td>31</td>
<td>19</td>
<td>29</td>
<td>35</td>
<td>25</td>
</tr>
<tr>
<td><strong>Respondents Employed</strong></td>
<td>67%</td>
<td>76%</td>
<td>68%</td>
<td>58%</td>
<td>68%</td>
</tr>
<tr>
<td><strong>Respondents Employed in Minnesota</strong></td>
<td>75%</td>
<td>84%</td>
<td>77%</td>
<td>80%</td>
<td>84%</td>
</tr>
<tr>
<td><strong>Respondents Continuing Education</strong></td>
<td>24%</td>
<td>17%</td>
<td>26%</td>
<td>36%</td>
<td>27%</td>
</tr>
</tbody>
</table>

### Internship Participation Respondents

| Respondents completing an internship or co-op experience (not student teaching) | 108     | 99      | 102     | 88      | 86      |
| Respondents receiving academic credit for their internship or co-op experience | 25      | 19      | 27      | 17      | 16      |
| Respondents receiving payment for their internship or co-op experience | 10/24   | 5/18    | 12/25   | 5/17    | 8/15    |
| Respondents receiving an offer of employment from the internship or co-op site | 42%     | 28%     | 48%     | 29%     | 53%     |
| Respondents accepting the employment offer | 0/0     | 0/0     | 14/25   | 9/17    | 9/15    |
| Respondents receiving an offer of employment from the internship or co-op site | na      | na      | 56%     | 53%     | 60%     |
| Respondents accepting the employment offer | 8/24    | 9/18    | 4/26    | 5/17    | 6/15    |
| Respondents receiving an offer of employment from the internship or co-op site | 33%     | 50%     | 15%     | 29%     | 40%     |
| Respondents accepting the employment offer | 7/8     | 4/9     | 2/4     | 4/5     | 4/6     |
| Respondents receiving an offer of employment from the internship or co-op site | 88%     | 44%     | 50%     | 80%     | 67%     |

### Study Abroad Participation Respondents

| Respondents participating in a study abroad program | 109     | 97      | 98      | 87      | 84      |
| Respondents participating in a study abroad program | 78%     | 73%     | 79%     | 71%     | 78%     |
| Respondents participating in a study abroad program | 28      | 21      | 14      | 13      | 17      |
| Respondents participating in a study abroad program | 26%     | 22%     | 14%     | 15%     | 20%     |
2016-17 UMD Graduate Follow-up Report

Biology
(Bachelor of Arts or Bachelor of Science)

Baccalaureate Statistics

<table>
<thead>
<tr>
<th>Awarded Majors¹</th>
<th>Survey Respondents²</th>
<th>Employed</th>
<th>Cont Ed Undergrad</th>
<th>Cont Ed Grad/Prof</th>
<th>Not Actively Seeking</th>
<th>Actively Seeking</th>
<th>No Info</th>
<th>Employed w/State Given</th>
<th>Employed in Minnesota</th>
<th>Employed in Minnesota</th>
<th>Employed %</th>
<th>% Placed³</th>
</tr>
</thead>
<tbody>
<tr>
<td>108</td>
<td>94</td>
<td>64</td>
<td>4</td>
<td>21</td>
<td>1</td>
<td>4</td>
<td>14</td>
<td>64</td>
<td>54</td>
<td>84</td>
<td>68%</td>
<td>96%</td>
</tr>
</tbody>
</table>

Reported Annual Salaries⁴

<table>
<thead>
<tr>
<th># Respondents</th>
<th>Low</th>
<th>High</th>
<th>Mean</th>
<th>Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>40</td>
<td>19200</td>
<td>68000</td>
<td>35407</td>
<td>33280</td>
</tr>
</tbody>
</table>

Job Relevance to Major

<table>
<thead>
<tr>
<th>Respondents</th>
<th>Related</th>
<th>Somewhat Related</th>
<th>Not Related</th>
<th>No Response</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>30</td>
<td>25</td>
<td>9</td>
<td>0</td>
</tr>
<tr>
<td>% of Total Respondents</td>
<td>47%</td>
<td>39%</td>
<td>14%</td>
<td></td>
</tr>
</tbody>
</table>

Internships

<table>
<thead>
<tr>
<th>Completed an internship⁵</th>
<th>Received academic credit for it</th>
<th>Was paid</th>
<th>Received an offer of employment</th>
<th>Accepted the offer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respondents</td>
<td>Respondents</td>
<td>Respondents</td>
<td>Respondents</td>
<td>Respondents</td>
</tr>
<tr>
<td>86</td>
<td>16</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
<tr>
<td>% Yes</td>
<td>% Yes</td>
<td>% Yes</td>
<td>% Yes</td>
<td>% Yes</td>
</tr>
<tr>
<td>19%</td>
<td>53%</td>
<td>60%</td>
<td>40%</td>
<td>67%</td>
</tr>
</tbody>
</table>

Study Abroad

<table>
<thead>
<tr>
<th>Studied Abroad</th>
<th>Did not study abroad</th>
<th>No response</th>
</tr>
</thead>
<tbody>
<tr>
<td># Respondents</td>
<td>Number</td>
<td>Percent</td>
</tr>
<tr>
<td>84</td>
<td>17</td>
<td>20%</td>
</tr>
</tbody>
</table>

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
Follow-up of Biology – Bachelor of Arts

Aldevron, Fargo, ND - Quality Control Analyst
American Red Cross, St. Paul, MN - Laboratory Technician
Country Sun Farm, Stillwater, MN - Farmhand
Memorial Blood Centers, St. Paul, MN - Component Laboratory Tech 1
Midwest Natural Resources, St. Paul, MN - Field Biologist
Mount Royal Dental, Duluth, MN - Business Manager
Peace Corps, Senegal - Agraforestry Volunteer
Rainbow Treecare, Minnetonka, MN - Plant Health Care Technician
Relf EyeCare Specialists, Hermantown, MN - Ophthalmic Technician

Law School, Mitchell Hamline School of Law, St. Paul, MN
Follow-up of Biology - Bachelor of Science

3M, Cottage Grove, MN - Laboratory Technician & Environmental Analyst
3M, Maplewood, MN - Laboratory Tech
3rd Opinion, New London, MN - Medical Scribe & Receptionist
Abbott, Minnetonka, MN - Post Market Surveillance Analyst
Abbott, Plymouth, MN - External Analyst
Abbott, Plymouth, MN - Post Market Surveillance
ALLETE Minnesota Power, Duluth, MN - Environmental Compliance Specialist
American Red Cross, Minneapolis, MN - IRL Technician
Anytime Fitness, Edina, MN - Personal Trainer
Bartlett Tree Experts, Hopkins, MN - Groundsperson
Benedictine Health System, Duluth, MN - Resident Assistant
Block House Creek Animal Hospital, Cedar Park, TX - Veterinary Technician
Bongards Creameries, Norwood Young America, MN - Quality Control Laboratory Technician
Boston Scientific, Arden Hills, MN - Feedthru Product Builder
CentraCare Health, St. Cloud Hospital, St. Cloud, MN - Patient Care Assistant
Children's Minnesota St. Paul Hospital, St. Paul, MN - Clinical Support Associate
Chris Jensen Health & Rehabilitation Center, Duluth, MN - Nurse Assistant
City of St. Paul, Police Department, St. Paul, MN - Forensic Scientist
Clow Stamping Company, Merrifield, MN - Press Worker
Coloplast, Minneapolis, MN - Project Coordinator
Conservation Corps of Minnesota & Iowa, Brainerd, MN - Crew Leader
Conservation Corps of Minnesota & Iowa, Duluth, MN - Field Worker
Elite Medical Scribes, Duluth, MN - Medical Scribe
Essentia Health, Duluth, MN - Cardiac Monitor Technician
Experience Fitness, Brookfield, WI - Personal Trainer
Fellowship of Catholic University Students (FOCUS), Grand Forks, ND - Missionary
Gayle Koop Foster Care, Duluth, MN - Operations & Staff Development
HealthEast Clinic, Vadnais Heights, MN - Medical Scribe
HorizonHCS, Duluth, MN - Account Manager
Hoxie Homes & Remodeling, Waconia, MN - Carpenter
JCPenney, Duluth, MN - Sales Associate
Lake Superior Dental Associates, Duluth, MN - Dental Assistant
Lifespan Closets, Duluth, MN - Production & Distribution Manager
Lightstop BP, Wrightstown, WI - Customer Service
Lincoln Park Zoo, Chicago, IL - Research Assistant
Mayer Electric Corporation, Brooklyn Park, MN - Scheduler
MDS Staffing, Minneapolis, MN - Account Manager
Medtronic, Fridley, MN - Medical Device Reporting & Vigilance Specialist
Memorial Blood Centers, Duluth, MN - Component Laboratory Technician
Mesabi Humane Society and Critter Care Pet Clinic, Virginia, MN - Veterinary Technician
Northern Paws Animal hospital, Rhinelander, WI - Veterinary Assistant
NovaCare Rehabilitation, St. Paul, MN - Patient Service Specialist
Pace Analytical, Oakdale, MN - Chemist
Presbyterian Homes & Services, Oak Park Heights, MN - Certified Nursing Assistant
Schlumberger, Oklahoma City, OK - Maintenance Engineer
Self-employed, Blaine, MN - Freelance Social Media Strategist
St. Cloud Hospital, St. Cloud, MN - Emergency Room Personal Care Attendant
St. Luke's Hospital, Duluth, MN - Certified Nursing Assistant
State of Minnesota, Pollution Control Agency, St. Paul, MN - Environmental Specialist
State of Wisconsin National Guard, Madison, WI - Joint Operations Center Supervisor
Tapemark, St. Paul, MN - Pharmaceutical Machine Operator
Tareen Dermatology and McCannel Eye Clinic, Roseville & Faribault and Edina, MN - Clinical Medical Assistant
The Retina Center, Minneapolis, MN - Medical Assistant
University of Minnesota Medical School, Duluth and Duluth Art Institute, Duluth, MN - Laboratory Assistant and Ceramics Studio Intern
University of Minnesota Twin Cities, Masonic Cancer Center, Minneapolis, MN - Researcher 1
Chiropractic School, Northwestern Health Sciences University, Bloomington, MN
Dental School, A.T. Still University, Missouri School of Dentistry and Oral Health, Kirksville
Graduate School, Biology, University of Vermont, Burlington
Graduate School, Biomedical Sciences, University of Kansas Medical Center, Kansas City, KS
Graduate School, Integrated Biosciences, University of Minnesota Duluth (2)
Graduate School, Osteopathic Medicine, A.T. Still University, Kirksville College of Osteopathic Medicine, Kirksville, MO
Graduate School, Science Education, University of Minnesota Twin Cities
Medical School, Rosalind Franklin University of Medicine & Science, Chicago Medical School, North Chicago, IL
Optometry School, Pacific University, Forest Grove, OR (2)
Pharmacy School, Howard University College of Pharmacy, Washington, DC
Pharmacy School, University of Minnesota College of Pharmacy Duluth (3)
Pharmacy School, University of Minnesota College of Pharmacy Twin Cities (2)
Physician Assistant School, Bethel University, St. Paul, MN

Veterinary School, Ross University School of Veterinary Medicine, Basseterre St. Kitts, Virgin Islands
Veterinary School, University of Minnesota Twin Cities, College of Veterinary Medicine

Undergrad/Technical, Biomedical Sciences Pre-Dental Post-Baccalaureate Program, Marquette University, Milwaukee, WI
Undergrad/Technical, Nursing, Augustana University, Sioux Falls, SD
Undergrad/Technical, Nursing, College of St. Scholastica, Duluth, MN
Undergrad/Technical, Nursing, University of Northern Colorado, Greeley