What do Biology Alumni do After Graduation?

Miranda Meents
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**Data Sources**

**LinkedIn Data**
- Additional education and employment
- **Biology vs Non-Biology** fields

**Baccalaureate Surveys**
- BC Government survey
- Education and employment (2 years after graduation)
- **Biology Grads vs All UBC Grads**.

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**Graphs**

- **LinkedIn Data**
  - # of Individuals
  - Graduating Year
  - n = 191

- **Baccalaureate Surveys**
  - # Respondents
  - Survey Year
  - avg n/yr = 172
Alumni Often Seek Additional Training

LinkedIn: 72% of alumni listed some kind of additional training.

Survey: 71% of Biology alumni took further education, compared to 53% of all UBC graduates.
48% of graduates get additional training in biology.

**What Kind of Training?**

<table>
<thead>
<tr>
<th>Type of Training</th>
<th>Biology-Related</th>
<th>Non-Biology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelors (25%)</td>
<td>nursing, public health, midwifery, dietetics, forensic science, pharmacy, psychology, education</td>
<td>computer science, engineering, accounting, marketing</td>
</tr>
<tr>
<td>Graduate School (25%)</td>
<td>biology, neuroscience, public health, sustainable development, environmental science, bioinformatics, occupational therapy, physical therapy</td>
<td>business administration (MBA), management, data science, law, engineering</td>
</tr>
<tr>
<td>(Masters/PhD)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Professional School (15%)</td>
<td>medical school, dental school, pharmacy</td>
<td>law school</td>
</tr>
<tr>
<td>Certificate/Diploma (15%)</td>
<td>medical lab tech, business administration, pharmacy</td>
<td>accounting, event management, human resources</td>
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</tbody>
</table>
**Survey:** Only 55% of Biology graduates work in a field related to their program, compared to 70% for all UBC graduates.

**LinkedIn:** Only 58% of alumni work in a field related to Biology.

<table>
<thead>
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<th>Biology-Related</th>
<th>Non-Biology</th>
</tr>
</thead>
<tbody>
<tr>
<td>healthcare: administration, medical doctor, nurse, dentist, pharmacist, psychologist, chiropractor, midwife, dietician, occupational therapist, medical lab technologist</td>
<td>business: management, entrepreneur, marketing, analyst, assistant, project manager, sales</td>
</tr>
<tr>
<td>biology research: researcher (academia, industry, government), technician</td>
<td>technology: software/web developer</td>
</tr>
<tr>
<td>education: teacher, tutor, university administrator</td>
<td>finance: accountant, banker, financial advisor</td>
</tr>
<tr>
<td>communication/outreach: artist, climate change activist, community engagement, science fair foundation, government policy</td>
<td>law/other: lawyer, engineer, service industry</td>
</tr>
</tbody>
</table>
What are the Important Skills?

Lots of Practice Available

Some Skill Practice

More Practice Needed

Training by UBC

Usefulness in Job

% Alumni Agree/S.Agree

Conducting Research
Use of Mathematics
Critical Analysis
Learning On Your Own
Written Communication
Problem Resolution
Group Collaboration
Oral Communication
Take Home Message

What kinds of work do you want to do?
• More than 50% of alumni work in a field unrelated to biology.
• Nearly 30% of alumni work in healthcare-related fields.

What kinds of training do you need?
• Almost 75% of alumni get additional training.
• Consider communication skills (written and oral) and people skills (group collaboration, problem resolution)

What can you do to help build these skills now?
• Courses, workshops, volunteering, clubs, paid work
• Treat these skill-building opportunities seriously
Questions?

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