HARVARD Extension School

ALM in Bioengineering & Nanotechnology
- Thesis track

ALM in Biotechnology
- Thesis track

30 AVERAGE AGE
- 41% < 30
- 46% 31 - 40
- 13% 41+

AGE BREAKDOWN

146 DEGREE CANDIDATES

WHILE EARNING THE DEGREE
- 79% Live in MA
- 20% Live Outside of MA
- 1% Live Outside of U.S.

Female: 52%
Male: 48%

91% OF STUDENTS ARE EMPLOYED FULL-TIME WHILE EARNING THE DEGREE

REASONS FOR PURSING DEGREE
- 3% Career Change
- 7% Personal Enrichment

45% Career Advancement
45% Deepen Expertise

YEARS OF STUDENTS FULL TIME WORK EXPERIENCE
- 1-4 years: 25%
- 5-10 years: 56%
- 11-20 years: 19%

79% OF STUDENTS HAVE PROFESSIONAL EXPERIENCE IN THE FIELD

BIOTECHNOLOGY GRADUATE CERTIFICATES
- Bioinformatics
- Biotechnology Management
- Innovation and Entrepreneurship
- Project Management

AVG # OF COURSES TAKEN PER SEMESTER
- 1 Course: 20%
- 2 Courses: 4%
- 3 Courses: 76%

97% OF RECENT GRADS WOULD RECOMMEND THE PROGRAM

77% GRADUATION RATE
5 YEARS AVERAGE TIME TO GRADUATION

Learn more at extension.harvard.edu
WHERE SOME OF OUR GRADUATES

| SELECT JOB TITLES HELD BY OUR GRADUATES | GRADUATES HAVE GONE ON TO CONTINUE THEIR STUDIES AT...
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Data Scientist</td>
<td>◦ Oxford University</td>
</tr>
<tr>
<td>Antibody Engineer</td>
<td>◦ University of Wisconsin</td>
</tr>
<tr>
<td>Quality Specialist</td>
<td>◦ Wake Forest School of Medicine</td>
</tr>
<tr>
<td>Senior Purification Scientist</td>
<td>◦ University of Toronto</td>
</tr>
<tr>
<td>Research Pharmacist</td>
<td>◦ Harvard University’s John A. Paulson School of Engineering and Applied Sciences (SEAS)</td>
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<tr>
<td>Director of Technology</td>
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<tr>
<td>Biomedical Specialist</td>
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<tr>
<td>Environmental Health and Safety Specialist</td>
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<td>Product Manager</td>
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Meet ALM Biotechnology Graduate, Alia Qatarneh.

When I first enrolled at HES, I was the Site Coordinator for a biotech outreach program at Harvard.

Now, with ALM in hand, I am the Site Director of the same program.

Earning an ALM has given me the opportunity to become a Program Manager and Site Director. Enrolling in the Biotechnology ALM Program allowed me to connect with many professionals in the biotech sectors of both academia and industry.

My thesis advisor was the most helpful resource at HES. He was incredibly supportive of my thesis topic, which connected bench proteomics and science education.

Given that many graduate students work full time, it can sometimes be difficult to find community within HES. My advice for biotech degree candidates is to create your own. Connect with classmates and teaching assistants outside of class, join the Harvard Biotech Club, and attend open seminars and talks hosted by various departments across campus.

For more information on career highlights, visit our Career and Academic Resource Center (CARC) at carc.extension.harvard.edu

HARVARD EXTENSION SCHOOL
Fast Facts About Bioengineering & Nanotechnology Graduate Degree and Biotechnology Graduate Degree

Average Age
30

Age Breakdown
- Less than 30: 41%
- 31-40: 46%
- 41+: 13%

Number of Degree Candidates
146

Where Students Live While Earning the Degree
- 79% live in MA
- 20% live outside of MA
- 1% live outside of US

Gender
- Female: 52%
- Male: 48%

Percentage of Students Employed Full-Time While Earning the Degree
91%

Reasons for Pursuing Degree
- Career Change: 3%
- Personal Enrichment: 7%
- Career Advancement: 45%
- Deepen Expertise: 45%

Percentage of Students with Professional Experience in Field
79%

Years Of Students Full-Time Work Experience
- 1-4 years: 25%
• 5-10 years: 56%
• 11-20 years: 19%

Biotechnology Graduate Certificates
• Bioinformatics
• Biotechnology Management
• Innovation and Entrepreneurship
• Project Management

Average Number of Courses Taken per Semester
• 1 course: 76%
• 2 courses: 20%
• 3 courses: 4%

Percentage of Grads Who Would Recommend the Program
97%

Graduation Rate
77%

Average Time to Graduation
5 years

Where Some Graduates Have Gone on to Work
• Boston Children’s Hospital
• Harvard University
• New England Biolabs
• Merck
• Boston University
• Pfizer
• Genzyme
• Novartis
• Hologic
• Biogen

Select Job Titles Held by Our Graduates
• Data Scientist
• Antibody Engineer
• Quality Specialist
• Senior Purification Scientist
• Research Pharmacist
• Director of Technology
• Biomedical Specialist
• Environmental Health and Safety Specialist
• Product Manager
Graduates Have Gone on to Continue Their Studies at

- Oxford University
- University of Wisconsin
- Wake Forest School of Medicine
- University of Toronto
- Harvard University's John A. Paulson School of Engineering and Applied Sciences (SEAS)

Benefits of Being a Degree Candidate

- Personal academic advising & pre-degree advising
- Career resources and individual career counseling through Harvard's Office of Career Services
- Paid research opportunities alongside Harvard faculty
- Earn a graduate certificate while earning the degree

Alumni Spotlight

*Meet ALM Biotechnology Graduate, Alia Qatarneh.*

**Job title prior to HES:**
When I first enrolled at HES, I was the Site Coordinator for a biotech outreach program at Harvard.

**Current job title:**
Now, with ALM in hand, I am the Site Director of the same program.

**How has earning a degree from HES helped you professionally?**
Earning an ALM has given me the opportunity to become a Program Manager and Site Director. Enrolling in the Biotechnology ALM Program allowed me to connect with many professionals in the biotech sectors of both academia and industry.

**Most helpful resource at HES:**
My thesis advisor was the most helpful resource at HES. He was incredibly supportive of my thesis topic, which connected bench proteomics and science education.

**Advice for prospective or current degree candidates:**
Given that many graduate students work full time, it can sometimes be difficult to find community within HES. My advice for biotech degree candidates is to create your own. Connect with classmates and teaching assistants outside of class, join the Harvard Biotech Club, and attend open seminars and talks hosted by various departments across campus.

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