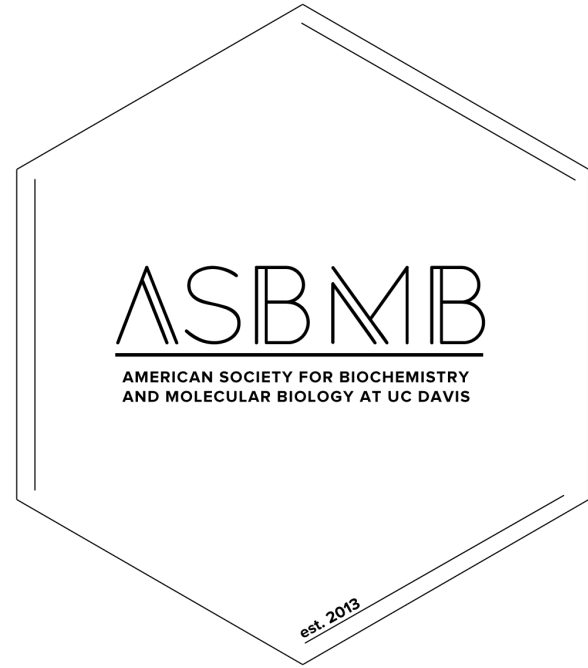


**Welcome
Back to
ASBMB!**

Life After Graduation | Wednesday, May 11th

Coming Up Next



Graduate School

General Requirements

- **GRE Scores**
 - Some may require the subject area in Biology
- **Transcripts**
- **GPA Requirements**
 - Some require 3.0 in biology courses
 - Overall GPA in other courses may vary depending on the program
- **2-3 Letter of Recommendation**
- **Personal Statement**



Programs

- There are many programs depending on school!
- Do your research on programs that you enjoy!
- Example Programs
 - MPH
 - Master of Public Health
 - MBA
 - Master of Business Administration
 - MS
 - Master of Science



Doctoral Degrees

General Requirements

- **Standardized Test Score**
 - MCAT
 - LSAT
 - GRE
- **Transcripts**
- **GPA Requirements**
- **2-3 Letter of Recommendation**
 - Generally 2 science and 1 non-science
- **Personal Statement**



Physician

- **Specialities**
 - Dermatology
 - Oncology
 - Radiology
 - Surgery
- **Requirements**
 - Bachelor's Degree
 - M.D or D.O program
 - MCAT
- **Skills and Competencies**
 - Medical knowledge
 - Professionalism
 - Practice-based learning and improvement



Pharmacist

- **Oversee daily ordering**
- **Check for drug interactions**
- **Review prescriptions**
- **Counsel patients about prescriptions**
- **Requirements**
 - Most schools require PCAT
 - Doctor of Pharmacy
- **Skills and Competencies**
 - Critical Thinking
 - Physical Stamina
 - Verbal Communication



Veterinarian

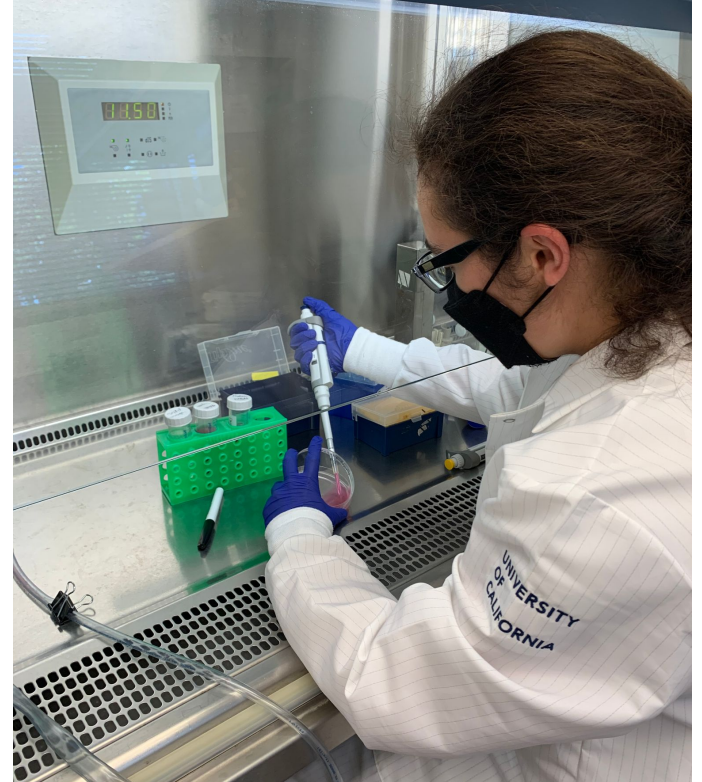
- **Occupational duties**
 - Treating sick and injured animals through medication or surgery
 - Operating diagnostic equipment and interpreting resulting images
- **Skills and Competencies**
 - Management Skills
 - Manual dexterity
 - Decisions-making skills



Research

Lab Technician

- Perform experiments and help with lab upkeep
- Only requires a Bachelor's degree
- Various settings: academia, industry, hospitals, government
- Entry level is often low pay (better pay in industry)
- Can work your way up to becoming a lab manager



Pharmaceutical Researcher

- Research to develop new drugs, improve manufacturing processes, check for quality, etc.
- Requires a PhD in most situations
- Typically much higher pay than other work environments



Food Researcher & Developer

- Research new ways of selecting, preserving, processing, packaging, and distributing food
- Same work environments as lab techs
- Various settings: academia, industry, government
- Moderate pay (depends on the setting)



Cosmetics Developer

- **Requirements**
 - Obtain a science degree
 - Advanced degree in cosmetic science
- **Skills and Competencies**
 - Collection and analysis of data
 - Tactical problem solving
 - Prioritisation of Activities
- **What it is:**
 - Develop compounds and formulas for new products
 - Understand skin physiology and how color works on skin, etc.



Miscellaneous Careers

Forensic Scientist

- **What it is:**
 - Examine evidence to assist law enforcement in solving crimes
- **Requirements**
 - Bachelor's Degree in a natural science
- **Professional Skills**
 - Critical thinking
 - Good laboratory practices
 - Prioritization of tasks
 - Computer proficiency
 - Lab techniques



Forensic Toxicologist

- **What it is:**
 - Test bodily fluids and tissue samples to identify any drugs or chemicals present in the body
- **Requirements**
 - Bachelor's Degree in a natural science
 - Some require a master's program in forensic science
- **Skills and Competencies**
 - Highly analytical
 - Understanding of scientific practices and equipment
 - Ability to follow procedures to achieve reliable results



College Professor

- **What it is:**
 - Make college students suffer
 - And make them cry
 - And make them question their life choices
- **Requirements**
 - Bachelor's Degree
 - Most are PHD holders
- **Skills and Competencies**
 - Efficient with lab equipment
 - Professional development
 - Lesson plans



Scientific Journalist

- **What it is:**
 - Keeping the public informed on scientific advancements
 - Assess the appropriateness of of scientific research
- **Requirements**
 - Bachelor's Degree in a natural science
 - Specialist courses and apprenticeships are recommended
- **Skills and Requirements**
 - Understanding of lab techniques and processes
 - Writing skills



**Thank
You!**

**Average
Income for
a
Biochemist**

\$94,490

**The
Best-Paid
10%
Earnings**

\$169,860

**The
Lowest-Paid
10%
Earnings**

\$52,640

States with the highest employment for biochemists

California,

Massachusetts,

Texas,

Pennsylvania,

New Jersey

**How many
students at UC
Davis graduated
with a
biochemistry
degree in 2020?**

201 total!

42% = men

58% = women