

## Consider a career in the life sciences!



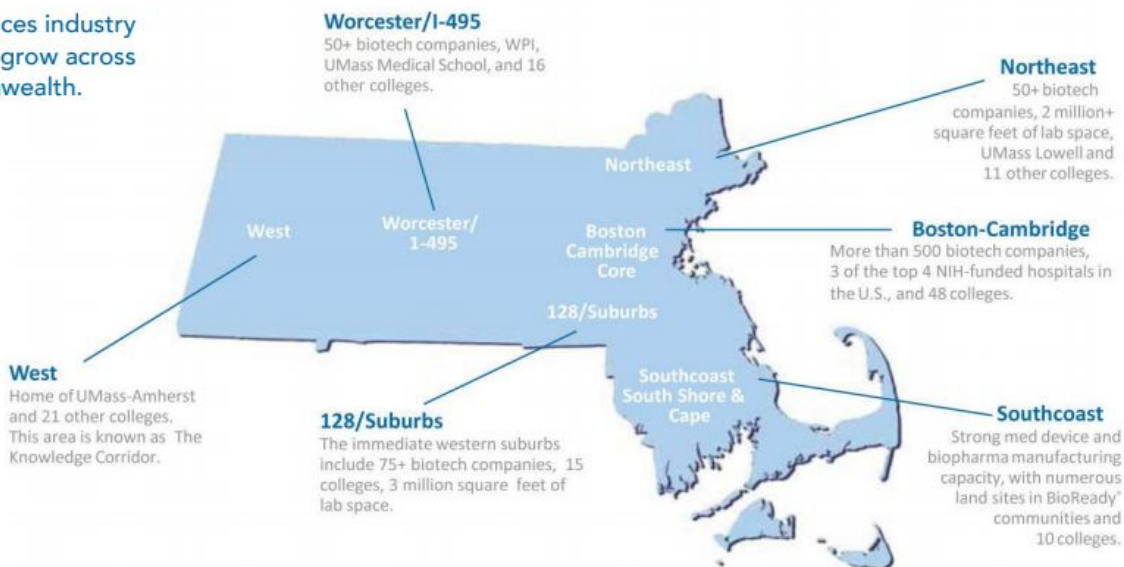
- Do you like to solve problems?
- Do you want to help people?
- No matter what kind of career you might want, there are many opportunities in the life sciences.

In Massachusetts, there are **74,000 people** employed in the life sciences.

Some work in college or hospital laboratories; most work in companies.

By 2024, this number should reach 86,000 - We will need 12,000 new people to fill these jobs.  
*Will you be one of them?*

The life sciences industry continues to grow across the Commonwealth.



### How can you start planning for a career in this field?



- Take extra science and math courses at your high school or community college. There are also many excellent online classes to choose from.
- Get experience working in a real lab. Contact professors at a local college or university and ask about summer internships or after school jobs. Download a list of local internship opportunities from MassBioEd's website: <https://www.massbioed.org/events/480-internship-resources>
- Apply for a high school apprenticeship position through the Massachusetts Life Sciences Center [masslifesciences.com/programs/hsapprenticeship](http://masslifesciences.com/programs/hsapprenticeship)

# There are many different types of jobs available in the life sciences.

See more career descriptions & resources at [massbioed.org/career\\_pathways](https://massbioed.org/career_pathways)

Career Path	Projected Growth Through 2026	Preparation Needed	Annual Salary Range (hourly rate)
<b>Scientific Research Technician</b>	11%	A.S. or B.S.	\$40,000 - \$70,000 (\$19 - \$35)

Helps scientists by ordering supplies, maintaining equipment, growing cells, and preparing solutions that are used routinely. With experience, technicians can take on more responsibility and gain independence.

<b>Scientific Sales &amp; Client Support</b>	6%	B.S., M.S., or Ph.D.	\$60,000 - \$160,000 (\$30 - \$81/hour)
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Provides materials or services for the development of new drugs or devices, along with specialized technical assistance. Pharmaceutical sales representatives possess deep medical knowledge and deliver advanced technical information to doctors.

<b>Product Managers</b>	8%	B.S. or M.S.	\$70,000 - \$130,000 (\$34 - \$62/hour)
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Manages the development and execution of a marketing strategy for a particular product or group of products. Oversees marketing and advertising. Monitors demand for the product. Identifies potential new customers; develops strategies for increasing sales or market share.

<b>Chemical Engineer</b>	9%	B.S. or M.S.	\$80,000 - \$150,000 (\$38 - \$75)
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Designs chemical processes by which drugs or other sophisticated chemicals are made. They can help design the machinery that these chemical processes take place in.

<b>Software Developer</b>	25%	B.S. or M.S.	\$80,000 - \$150,000 (\$38 - \$75)
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Designs programs, writes code, and can work with scientists to customize programs specifically designed for chemical or biomedical applications.

<b>Biological Research Scientist</b>	13%	B.S., M.S., or Ph.D.	\$50,000 - \$200,000 (\$25 - \$96)
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Solves important problems by learning about the body and what changes occur when a person becomes sick. They use this knowledge to design new treatments for disease.

<b>Chemist or Materials Scientist</b>	10%	B.S., M.S., or Ph.D.	\$50,000 - \$180,000 (\$25 - \$90)
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Analyzes components of biological substances to better understand how biomolecules interact with cells. They design novel molecules that might eventually become new drugs.

<b>Clinical Trial Professional</b>	13%	B.S., M.S., or Ph.D.	\$50,000 - \$190,000 (\$25 - \$95)
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Works with the physicians and patients who volunteer to test new drugs and medical devices. They are responsible for documenting trial results and reporting them to the Food & Drug Administration (FDA).

<b>Mathematician or Statistician</b>	34%	B.S., M.S., or Ph.D.	\$60,000 - \$165,000 (\$30 - \$82)
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Translates data generated through basic and clinical research into useful, understandable information. They have advanced training in statistical analysis.

- A.S.** Associate's Degree – Typically earned at a community college over two – four years, full or part time.
- B.S.** Bachelor's Degree – Earned at a college or university over four years, if full time or longer if part time. Often employers will pay for courses related to your work.
- M.S.** Master's Degree – Once a Bachelor's Degree is obtained, Master's degrees take two to three years to complete if full time, or longer if part time. Often employers will pay for you to take courses related to your work.
- Ph.D.** Doctor of Philosophy – Once a Bachelor's Degree is obtained, a Ph.D. takes another five to seven years to achieve, which includes some formal classes but mostly encompasses doing independent research. In science, getting a Ph.D. is free, and you will be paid for working on your project.

