

Career Paths in Biomedical Research + Biotechnology

Salary Information

Hourly Wage Ranges:

- Biological Technicians \$14.11 → \$27.61
- Technical Writer \$20.70 → \$50.95
- Biological Scientists \$19.22 → \$60.41
- Marketing Managers \$35.31 → \$75.39+

Source: www.workforceexplorer.com

Doctorate Degree

Career Opportunities:

- Scientist (Lab Director)
- Research Scientist
- Regulatory Affairs Director
- University Professor

Master of Science Degree

Career Opportunities:

- Teacher
- Lab Manager
- Clinical Research Manager
- Product & Marketing Manager

Community College

Areas of Study:

- Math
- Chemistry
- Biotechnology
- Biological Sciences

Degree:

- Associate of Science
- Associate of Technology

Career Opportunities:

- Lab Technician
- Lab Assistant
- Research Assistant
- Manufacturing
- Media Prep Specialist

To Community College

To expand hands-on skills and training

To University

To complete a four-year degree

University

Areas of Study:

- Math
- Physics
- Chemistry
- Biological Sciences

Degree:

- Bachelor of Science

Career Opportunities:

- Medical or Technical Writer
- Bioinformatics
- Clinical Research Assoc
- Imaging Specialist
- Research Associate
- Environmental Health & Safety

High School

Areas of Study:

- Math
- Biology
- Chemistry
- Physics
- Biotechnology

Career Opportunities:

- Lab Glass Worker
- Animal Care
- Lab Assistant

A wide range of certificates and degrees are offered by the 11 Community and Technical Colleges located throughout King County. To locate a college near you and learn more about the programs available, visit www.sbctc.ctc.edu and click on "Colleges." Or visit www.checkoutacollege.com.

Source: *Biotechnology & Biomedical Skills Standard and Shoreline Community College, 2001*

Life Sciences/Biotechnology

Trends

Life sciences encompass a broad spectrum of industries from bioinformatics, biotechnology, research, healthcare, medical devices, genome sciences, and chemistry to manufacturing, nanotechnology, and engineering. In addition to creating better treatments to improve and lengthen our quality of life, the life science sector is generating a slow but positive economic impact on our region. Over 26,000 people are employed in this sector in Washington State and another 40,000 provide services and products that feed into the life sciences economy; nearly 160 bioscience companies, with over 12,500 employees, make their home in King County (enterpriseSeattle).

The life sciences sector has the potential to impact thousands of jobs in King County. The breakthroughs in this sector not only provide new treatments for disease, but also help to create innovations in computer sciences, information technology bioprocessing, health care and manufacturing.

Wages

There is no single, official average wage for Biotechnology. Some examples of subsector wages include the following:

- Pharmaceutical Preparation Manufacturing \$124,524
- Analytical Laboratory Instrument Manufacturing \$74,884
- Research and Development in Biotechnology \$97,274
- Testing Laboratories \$48,058

(source: Washington State Employment Security Department).

[Note: Wages are averages of all occupations within the sector – including entry level and high level positions.]

For detailed information about occupations within this sector (e.g. current wage ranges per occupation, training schools, employment projections, and a link to jobs listed at WorkSource):

1. Go to www.workforceexplorer.com,
2. Click on the 'Wage and Benefit Information' link, and
3. Click on the 'Occupation Explorer' link to start your search.

Resources for Education and Career Planning

O*NET Online

<http://online.onetcenter.org>

A nation-wide career exploration resource, the O*NET database contains information about hundreds of occupations, including job tasks, education requirements, and wages.

Washington Workforce Explorer

<http://workforceexplorer.com>

Workforce Explorer provides career and economic information for Washington State. You will find career assessment and planning tools in the Career Center section and find occupation wage information by county in the Wage and Benefit information section.

Washington Career Bridge

www.careerbridge.wa.gov

Career Bridge is a one-stop, searchable database of education and training programs throughout Washington state where you'll discover:

- Available training programs.
- Average earnings and employment outlook for each career choice.
- Hot jobs for the future.
- What you'll need to learn to get those jobs.

This site was created by the Workforce Training and Education Coordinating Board, a partnership of labor, business and government.

Self-Sufficiency Calculator

www.thecalculator.org

The Calculator includes a variety of resources, including the Self Sufficiency Standard. The Self Sufficiency Standard for Washington measures how much income is needed for a family of a given composition - ranging from a one person household to a large family - in a given place, to adequately meet basic needs without any public or private assistance. The Self Sufficiency Calculator can help you:

- Plan and develop career goals so you can work towards a better paying job.
- Decide if a job you are considering will pay enough to meet your family's needs.
- Determine if you might be eligible for public benefits that can help with expenses like health care or child care.
- Test and compare different work or living options and see how they affect your bottom line.

WorkSource

www.go2worksource.com (Statewide) • www.worksourceskc.org (Seattle-King County)

Washington's career and employment website offering information about career services available at local WorkSource offices as well as a number of career planning and job search tools and links.