

Consider Exploring A Career In Biotechnology!

If you enjoy:

- *working with state of the art equipment*
- *creative problem solving*
- *working to discover ways to improve the world*
- *working as part of a team*
- *working independently*
- *documenting your work*
- *troubleshooting*
- *performing experiments*
- *following detailed instructions*

If you are:

- *well organized*
- *detail oriented*
- *a self starter*
- *an analytical thinker*

If you are well-skilled in:

- *written and oral communication*
- *math*
- *computer use*
- *looking for fine details and patterns*
- *record keeping*

Northwest Biotechnology/Biomedical Education and Careers Consortium provides equal opportunity in education and employment and does not discriminate on the basis of race, color, religion, national origin, marital status, gender, sexual orientation or disability.

Northwest Biotechnology/Biomedical
Education and
Careers Consortium
C/O Shoreline Community College
16101 Greenwood Ave. North
Seattle, WA 98133



Explore
A
Career
In
Biotechnology

www.nwbiotech.org

What Is Biotechnology?

Cloning, DNA fingerprinting, gene therapy: Open the newspaper and you'll see evidence that the field of biotechnology is on the rise.

Biotechnology affects so many different areas of our lives, *but what exactly do we mean by the term biotechnology?*



Biotechnology improves our lives through the scientific use of living organisms or parts of living organisms. Some of

these improvements include the ability to:

- Diagnose, treat, and prevent disease
- Create new drugs
- Increase our ability to feed the world's population
- Identify missing people and criminals
- Save endangered species

The list for the uses of biotechnology is only just beginning and continues to mark the start of an exciting scientific revolution.

The tools of biotechnology require an understanding and integration of science disciplines as well as extensive lab experience. Biotechnology concepts draw from genetics, molecular biology, cell biology, chemistry, microbiology, and computer technology. Biotechnologists develop proficiency in applied laboratory skills such as reading and following protocols, proper use of equipment, and understanding and using safety procedures.

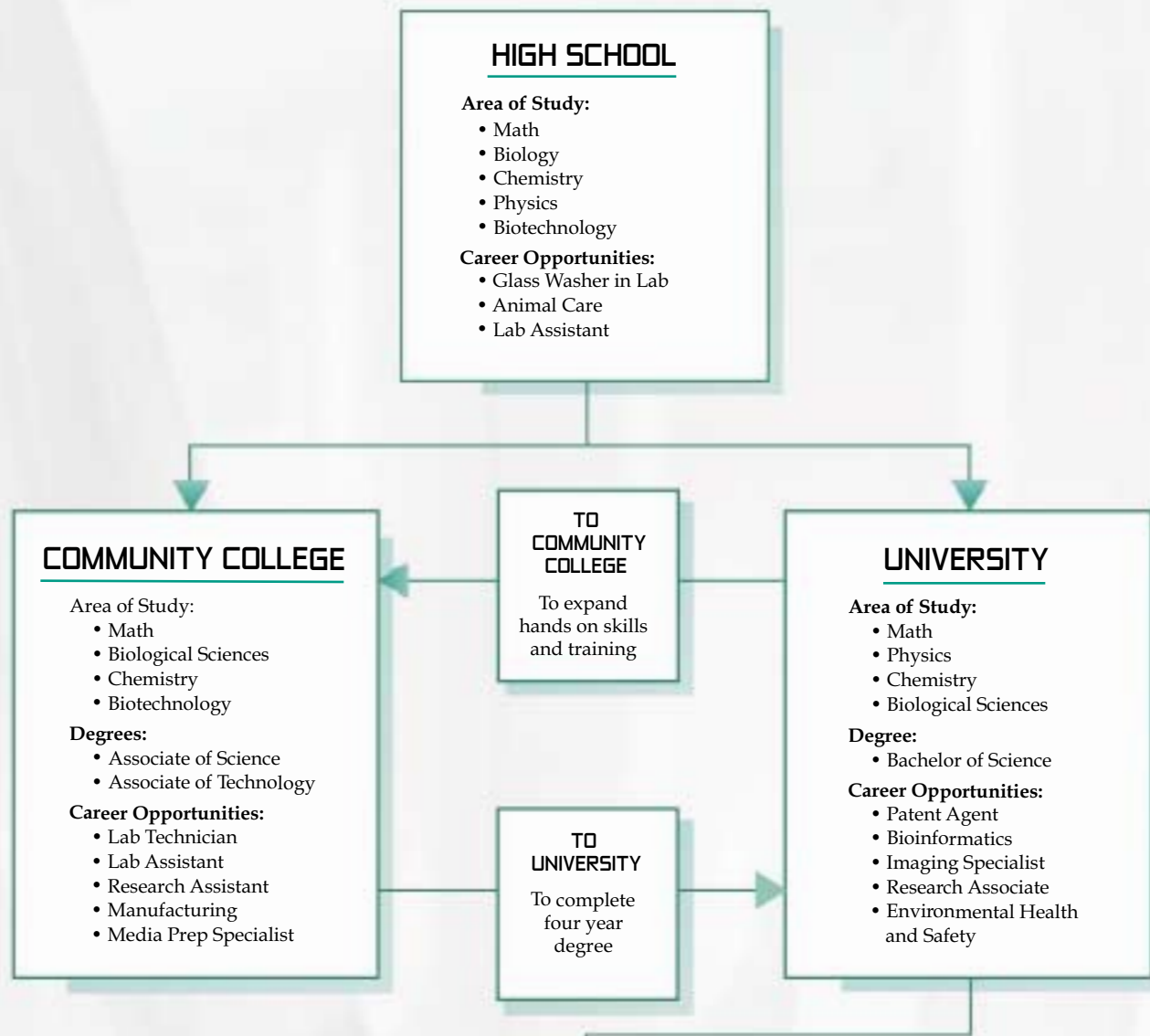


The career outlook in the field of biotechnology is promising. Thanks to advances in the areas of DNA sequencing, cloning, and protein chemistry, employment opportunities are expanding. There are career opportunities in research, production, development and manufacturing. The Puget Sound area is one of the nation's leading employers of laboratory specialists, with close to 150 biotechnology-related facilities. The field offers opportunities for advancement and ongoing continuing education to keep your skills and knowledge current.

*Be a part of the growing
advancements in cutting
edge science.*

Explore Biotechnology!!!

Look What You Can Do In Biotechnology



High School Diploma

Career Opportunities

Lab Assistant

Job Description

Provide a variety of support services:

- clean and set up equipment
- maintain documentation
- compile data

Salary Range*

\$21,000 - \$28,000

Bachelor's Degree In Computer Science

Career Opportunities

Scientific Analyst (Bioinformatics)

Job Description

Design computer systems to organize and analyze the results of genetic sequencing.

Salary Range*

\$48,000 - \$60,000

Master's Degree

Career Opportunities

Associate Scientist

Job Description

Carry out lab procedures of increased difficulty:

- develop procedures
- analyze data
- troubleshoot

Salary Range*

\$40,000 - \$51,000

Degree:

- Master of Science

Career Opportunities:

- Teacher
- Lab Manager
- Clinical Research Manager
- Associate Scientist
- Field Application Scientist
- Clinical Programmer

Degree:

- Doctorate

Career Opportunities:

- Scientist (Lab Director)
- Research Scientist
- Medical Writer
- Senior Scientist
- University Professor
- Clinical Research Associate

For more information on education and career opportunities in biotechnology, please go to the Northwest Biotechnology/Biomedical Education and Careers Consortium website at www.nwbiotech.org, or contact Berta Lloyd at blloyd@ctc.edu. Our website is full of great links for interested students, teachers, and counselors. We have career planning assistance, job scenarios, links to specific educational programs, information on student conferences and special opportunities, and more!

* These figures are assembled from a combination of estimates from local industry.

AAS/AAAS Degree Or Biotechnology Certificate

Career Opportunities

Lab Technician

Job Description

Perform a variety of tasks involved in maintaining the lab:

- prepare solutions
- order supplies
- carry out and troubleshoot protocols
- write reports

Salary Range*

\$ 25,000 - \$ 32,000

Bachelor's Degree In A Biological Science

Career Opportunities

Research Associate

Job Description

Carry out research projects as assigned by senior members of the lab.

Salary Range*

\$30,000 - \$40,000

Doctorate

Career Opportunities

Senior Scientist

Job Description

Direct the research and organization of a lab.

Salary Range*

\$62,000 - \$80,000