What Can I Do with a Degree in Molecular Biology and Biochemistry?

*Courtesy of SFU Career Services*

*For informational purposes only*

Examples of Molecular Biology and Biochemistry major careers, including careers that may require further education beyond a bachelor’s degree:

1.) *Agronomist*
   - Improves the quality and yield of crops for human consumption. Develops new growing methods and new varieties of plants.

2.) *Animal Scientist*
   - Conducts research to develop improved methods for feeding, housing, and breeding farm livestock and domestic pets. Many work in laboratories, government agencies and on farms.

3.) *Biological Researcher*
   - Makes detailed observations, analyzes data and interprets results. Prepares technical reports, summaries and quantitative analyses. Maintains familiarity with current scientific literature and identifies patentable inventions.

4.) *Biomedical Engineer*
   - Develops concepts and converts the ideas of physicians, rehabilitation therapists and biologists into usable devices, procedures, treatments and techniques to improve the quality of patient’s lives.

5.) *Public Health Microbiologist*
   - Conducts laboratory tests on bacteria and viruses and recommends measures to control pollution and prevent the spread of diseases. Works for government agencies or consulting firms.

6.) *Forensic Biotechnologist*
   - Collects and analyzes DNA specimens for use by law enforcement officials in solving crimes. Works for crime laboratory or research lab.

7.) *Taxonomist*
   - Describes and catalogues plants and animals, seeks new crops or plants to produce drugs for the pharmaceutical industry. Some study the impact of planned commercial development on ecological habitats. Positions beyond entry level require a graduate degree.
8.) Environmental Consultant
   - Assists government, business, legal and other interests in preventing or solving problems related to the environment. Conveys scientific ideas in a way that is understandable to scientist and non-scientists. Researches relevant issues and presents them to the public.

9.) Marine Biologist
   - Scientists who study saltwater organisms and their relationships to their environments. Many marine biologists are research scientists. They study ocean systems as well as their relationships to people and environmental concerns, and develop ways in which to solve problems. One large area of concern now is climate change and the effect it will have on the ocean ecosystem.

10.) Survey Designer
    - Designs survey interviews and questionnaires related to biological sciences. May interview subjects, collect and analyze data or present findings. Works for government agencies, laboratories and market research organizations.

11.) Sales Representative
    - Sells scientific products or services to customers, which may include discussing customer’s needs, showing samples, answering questions ensuring quality service. May assist with technical support issues. Works for a variety of companies in industries such as chemicals or pharmaceuticals.

12.) Paralegal
    - Performs preparatory work required to research case and develops documentation required to write a brief in cases that involve technical or scientific issues. May interview perspective witnesses. Works for law firms, prosecutors and public defenders.

13.) Environmental Communications Specialist
    - Handles community relations regarding environmental issues in fields such as earth science, mining, forestry and water management. Works for government agencies, consulting firms and citizen groups.