

WHAT CAN I DO WITH A BACHELOR'S DEGREE IN MICROBIOLOGY ?

Facts about a microbiology degree:

- A bachelor's degree in microbiology can qualify you to be called a "microbiologist"
- A bachelor's degree can be applicable in a variety of careers. It is often required to take the relevant microbiology elective courses within your degree to build your area of competency in a specific area
- A degree, along with some related experience is often required for most jobs in this area
- Employers are aware that microbiologists are well trained in the safe handling of organisms causing infectious diseases
- Laboratory training beyond your degree is strongly recommended for most related jobs

SKILLS POSSESSED BY MICROBIOLOGY GRADUATES:

Many employers are interested in the skills which microbiology majors tend to possess. These include:

- organizational skills
- analytical and problem solving skills
- laboratory teamwork skills
- good laboratory technique skills
- technical report writing skills
- manual dexterity skills
- precision, thoroughness, and detail attentiveness skills

SAMPLE JOB TITLES FOR MICROBIOLOGY UNDERGRADUATES:

(some may require additional education and / or training beyond the bachelor's degree)

microbiologist	research assistant
quality assurance analyst	sales representative
microbiology technical service representative	technical analyst
fermentation plant microbiologist	technical writer
diagnostic account specialist	brew master
pharmaceutical sales representative	pest control consultant
forensic document examiner assistant	water quality inspector
fish and wildlife technician	fundraiser
technical sales representative	environmental technician
quality control microbiology analyst	photomicrographer
plant tissues culture technician	associate scientist
	laboratory technician

AREAS OF EMPLOYMENT: (this list is not exhaustive)

research laboratories / institutions	biotechnology firms
pharmaceutical / industrial chemical companies	technical supply companies
food processing companies	diagnostic laboratories
hospitals and other medical institutions	cosmetic industries
health maintenance organizations	mining companies
water testing / treatment industries	veterinary institutions
geological and agricultural firms	bottled water companies
beverage / brewing industries	bioremediation companies
microbiology consulting firms	research laboratories
environmental monitoring companies	quality testing laboratories
	blood transfusion services
	fish and wildlife industries

Want More Information? Check these websites!

Check our website at: www.umanitoba.ca/student/careerservices

- Click on “Job Postings and Volunteer Opportunities” and register as a **Student** to view current job postings

National Occupational Classification

www23.hrdc-drhc.gc.ca

University of Manitoba—Faculty of Science—Department of Microbiology

www.umanitoba.ca/faculties/science/departments/microbiology/

Society for Industrial Microbiology

<http://www.simhq.org/>

American Society for Microbiology

asm.org

Society for General Microbiology

www.socgenmicrobiol.org.uk/

Alberta Learning & Information Services

www.alis.gov.ab.ca/occinfo/ (Frameset—search under M)

What can I do with my studies in microbiology & immunology? from McGill University

http://caps.mcgill.ca/handouts/whattodo/microbio_immunology.pdf

Microbiology & Immunology – Career Services from the University of British Columbia

<http://www.students.ubc.ca/careers/students/get-career-guidance/what-can-i-do-with-my-major/microbiology-and-immunology/>