

## CAREER PROFILES

### Biologists and Related Scientists:

**Biologists and related Scientists** conduct basic and applied research to extend knowledge of living organisms, to manage natural resources, and to develop new practices and products related to medicine and agriculture.

### Wage/Salary Information:

\$73,000 is the median annual salary found in local job-postings.

\$39.51/hour is the median wage reported locally.

### Commonly Listed Skills in Job Postings:

- Oral and written communication
- Detail oriented
- Microsoft Office
- Work independently
- Problem solving
- Analytical
- Management
- Time management
- Creativity
- Organizational skills
- Leadership
- Data entry
- Teamwork
- Self-motivated
- Troubleshooting
- Bilingual
- Computer use

### Job Duties:

Biologists plan and conduct studies of the environment, and of the population, distribution, structure, and functional characteristics and behaviour of plants and animals. Biologists conduct ecological and environmental impact studies and prepare reports. They study, identify, and classify plant and animal specimens and conduct experiments in plant or animal growth, heredity, and breeding. Biologists may also prepare reports and plans for management for renewable resources.

Microbiologists and cell and molecular Biologists conduct research into the structure, function, ecology, biotechnology, and genetics of micro-organisms. Microbiologists and cell and molecular Biologists conduct research into the identification, effects and control of human, plant, and animal pathogens and toxins and conduct clinical or laboratory studies to test, evaluate, and screen drugs, pharmaceuticals, and nanoparticles used in biomedical applications. They conduct molecular or biochemical studies and experiments in genetic expression, gene manipulation, and recombinant DNA technology. Microbiologists and Cell and Molecular Biologists also conduct research in biotechnology to discover, develop, and refine, and evaluate new products.

### Working Conditions:

Work in this occupation is typically performed in a structured environment, such as an office, hospital or school, or an outdoor work environment where the worker is exposed to various weather conditions.

Also, the worker may be exposed to infectious bacteria and viruses that may cause illness. This could arise while investigating outbreaks of food and environment related diseases and poisonings, or while conducting microbiological tests and laboratory analyses. Safety precautions and procedures in place minimize risks.

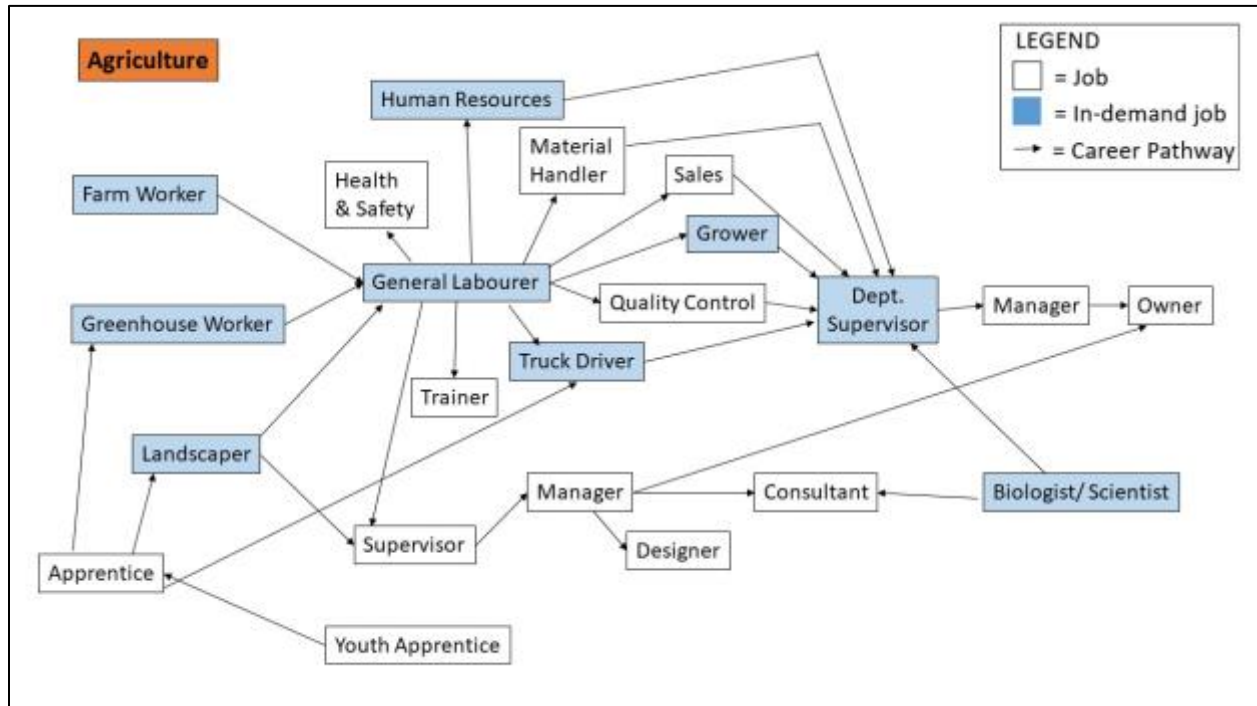
### Career Pathways:

Biologists work in indoor and outdoor environments. They will work indoors in an office or laboratory, but they will work outdoors when conducting field research and gathering specimens.

They can be employed by a range of employers, such as the government, environmental consulting companies, research facilities, pharmaceutical and biotechnical companies, and by educational institutions. Below are potential career paths for Biologists and related Scientists:

- Anatomist
- Bacteriologist
- Biologist
- Botanist
- Cell biologist
- Ecologist
- Emrbyologist
- Geneticist
- Histologist
- Immunologist
- Marine biologist
- Microbiologist
- Molecular biologist

- Pharmacologist
- Physiologist
- Protozoologist
- Toxicologist
- Zoologist



### Education and Training Pathways:

If you're interested in becoming a Biologist or related Scientist, you can acquire training/education locally at any of the following institutions.

#### University of Windsor:

#### Biological Sciences

#### Admission Requirements:

- Minimum Admissions Average: 70% (excluding Behaviour, Cognition and Neuroscience which requires a minimum of 75%)
- Mean Admissions Average: 86%
- Requirements:
  - ENG4U, MHF4U, SCH4U, and SBI4U required
  - MCV4U is strongly recommended

- SPH4U is recommended
- 70% Science/Math average

**Academic Credential:** Degree - Bachelor of Science in Biology or Bachelor of Science in Behaviour, Cognition, and Neuroscience, and Molecular Biology and Biotechnology

**Professional Certification:** unknown

**Attendance:** In-person

**Full-time or Part-time:** Full-time

**Program Length:** 4 years

**Program Cycle:** Intake for Fall, Winter, Summer

**Program Cost:** \*\$8021.26

**OSAP Eligible:** Yes

**Location:** 401 Sunset Avenue, Windsor, N9B 3P4

For more information on this program, please visit:

<http://www1.uwindsor.ca/biology/>

***Disclaimer:** The educational institution reserves the right to change information without notice, and may result in discrepancies between their information and the information presented above. If any errors are found, please report them to [info@workforcewindsorsex.com](mailto:info@workforcewindsorsex.com).*