

SCIENCE

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What can I do with a degree in Biochemistry?

Skills

As an undergraduate student in Biochemistry, you have many employability skills that are currently in demand. It is important that you are able to communicate these skills to potential employers. Some of these skills include:

- Research ability
- Developing theories
- Operate scientific equipment
- Work independently
- Information handling & organization
- Possess curiosity and creativity and innovative talents
- Knowledge of science theory & practical applications
- Statistical awareness
- Oral & written communication skills
- Numerical computation
- Analytical & quantitative abilities and strong problem solving skills
- Ability to make critical observations of environmental and chemical interactions
- Knowledge of the structure and biological function of the molecules in living organisms
- [Ontario Skills Passport](#)

Potential Career Options

- Administrator
- Anaesthesiologist
- Biomedical Engineer
- Biotechnologist
- Biotechnology Engineer
- Biotechnology Lawyer
- Chemist
- Cytologist
- Dairy Technologist
- Dentist
- Entomologist
- Environmental Scientist
- Forestry Specialist
- Formulation Chemist
- Geneticist
- Health Specialist
- Horticulturalist
- Immunologist
- Industrial Chemist
- Laboratory Supervisor
- Marine Biologist
- Molecular Biologist
- Patent Attorney
- Patent Officer
- Perfumer
- Pharmaceutical Regulation Specialist
- Pharmaceutical Sales Representative

- Pharmacist
- Pharmacologist
- Physician
- Plant Physiologist
- Process Development Specialist
- Process Engineer
- Product Development Manager
- Public Health Inspector
- Quality Control Inspector
- Researcher
- Teacher
- Technical consultant
- Toxicologist
- Virologist

Employment Prospects in this Area of Study

Job Futures (www.jobfutures.ca www.ontariojobfutures.ca) are websites that inform you of employment prospects for various areas of employment and in specific occupations. Here you can compare annual salaries and average unemployment rates of Canadian graduates.

Gain Experience Related to Your Studies

The following types of organizations give you the opportunity to gain either volunteer or employment experience in the labour market related to your studies:

- Agricultural or biotechnology administrative centres
- Chemical, petrochemical and pharmaceutical industries
- Chemical products consulting firms
- Educational establishments
- Governments
- Health institutions
- Research, development and quality control laboratories
- Social organizations
- Development companies in mining, metallurgy and pulp and paper
Utilities

You can also gain experience in the following work fields:

- Administration
- Biochemistry
- Biotechnology
- Educational establishments
- Environment
- Food processing
- Forest and Agriculture Exploitation
- High-tech
- Instrumental analyst
- Mental and Physical Health
- Microbiology
- New-product and material development

- Oceanography
- Pathology
- Petrochemical products
- Pharmaceutical
- Physiology
- Physics
- Research, development and quality control laboratories
- Technical sales and services
- Theoretical, digital, physical, organic and inorganic chemistry
- Marine or Cell Biology
- Microbiology
- Natural resources management
- Pathology
- Pharmacology
- Protozoology
- Research and development
- Teaching
- Toxicology
- Virology
- Wildlife
- Zoology

Graduate Studies

Exploring Graduate Programs

If you are thinking about continuing your education post graduation, log onto the following websites to locate and explore graduate programs you may be interested in:

- [Association of Universities and Colleges of Canada](#)
- [Schoolfinder](#) (Canada)
- [Gradview](#) (Canada and US)
- [School Guides](#)
- [Grad Schools](#)
- [Grad Source](#)

Applying to Grad School

Various graduate programs have various application requirements. Log onto the following websites for more information.

- [Ontario Universities Application Centre: Professional Applications](#) – Find applications here for The Ontario Rehabilitation Sciences Programs (ORPAS), The Ontario Faculties of Education (TEAS), The Ontario Law Schools (OLSAS), The Ontario Medical Schools (OMSAS)
- [Graduate Records Exam \(GRE\)](#) (Master's degrees in Arts/Social Sciences)
- [Masters of Business Administration \(MBA\)](#) – Also includes GMAT information
- [Medical College Admission Test \(MCAT\)](#)
- [Dental Aptitude Test \(DAT\)](#)
- [Optometry Admission Test \(OAT\)](#)
- [CMCC Chiropractic College](#) applications

A detailed list of post graduate admission links.

Web Links

Professional Associations/Sites of Interest

- [Association of the Chemical Profession of Ontario](#)
- [BIOTECanada](#)
- [Canadian Academy of Clinical Chemists](#)
- [Canadian Bioethics](#)
- [Canadian Network of Toxicology Centres](#)
- [Canadian Society of Biochemistry, Molecular and Cellular biology](#)
- [Canadian Society for Chemistry \(CSC\)](#)
- [Canadian Society of Clinical Chemists](#)
- [Chemical Institute of Canada \(CIC\)](#)
- [Ordre des chimistes du Québec](#)
- [Society for Environmental Toxicology and Chemistry](#)
- [The Chemical Institute of Canada](#)
- [Pharmacological Society of Canada](#)

Industry-Specific Job Search Websites

- [BioView.com](#)
- [Canada's Research-Based Pharmaceutical](#)
- [Cortex Consulting and Recruiting Services](#)
- [Nature Jobs](#)
- [Science Jobs](#)
- [Biotalent Canada](#)

Additional Career Related Information

- [University of Ottawa: What can I do with my studies?](#)
- [McGill University: What Can I Do?](#)
- [Guelph University: What Can I do?](#)
- [Brock University: What Can I Do?](#)

What can I do with a degree in Biological Sciences?

Skills

As an undergraduate student in Biological Sciences, you have many employability skills that are currently in demand. It is important that you are able to communicate these skills to potential employers. Some of these skills include:

- Research ability
- Developing theories
- Operate scientific equipment
- Work independently
- Information handling & organization
- Possess curiosity and creativity and innovative talents
- Knowledge of science theory & practical applications
- Statistical awareness
- Oral & written communication skills
- Numerical computation
- Analytical & quantitative abilities and strong problem solving skills
- Interpretation of trends from results
- Ability to manage time effectively, set priorities, meet deadlines, and think creatively
- Attention to detail
- [Ontario Skills Passport](#)

Potential Career Options

- Agronomist
- Animal Scientist
- Aquatic Biologist
- Audiologist
- Bacteriologist
- Biologist
- Biometrician
- Biostatistician
- Botanist
- Cell, Molecule, Insect or Plant physiologist
- Chiropractor
- Coroner
- Dentist
- Dietician & Nutritionist
- Ecologist
- Embryologist
- Environmental consultant
- Fisheries Conservationist
- Food Scientist-Technologist
- Forest or Agriculture pathologist
- Genetic Counsellor
- Genetic Engineering Research
- Health Officer

- Industrial Hygienist
- Laboratory immunologist
- Marine Biologist
- Medical Technologist
- Microbiologist
- Natural sciences manager
- Neurobiologist
- Oceanographer
- Ornithologist
- Park and Wildlife naturalist
- Pharmacy Technician
- Physical Therapist
- Physician
- Researcher
- Teacher
- Technical writer
- Toxicologist
- Veterinarian
- Water Quality Technician
- Wildlife Resources Worker
- Zoologist

Employment Prospects in this Area of Study

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Gain Experience Related to Your Studies

The following types of organizations give you the opportunity to gain either volunteer or employment experience in the labour market related to your studies:

- Agricultural centres
- Chemical, pharmaceutical, forestry, agricultural and biotechnical companies
- Consulting firms
- Dietary and utilities companies
- Educational institutions
- Environmental consulting companies
- Governments
- Health institutions
- Laboratories and research centres
- Natural resources
- Public services

You can also gain experience in the following work fields:

- Administration
- Agriculture
- Animal or Plant physiology
- Bacteriology
- Biotechnology

- Botany
- Cytotechnology
- Ecology
- Environment
- Food-processing
- Genetics
- Health sciences
- Hematology
- Histology
- Hydrology
- Immunology
- Marine or Cell Biology
- Microbiology
- Natural resources management
- Pathology
- Pharmacology
- Protozoology
- Research and development
- Teaching
- Toxicology
- Virology
- Wildlife
- Zoology

Graduate Studies

Exploring Graduate Programs

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- [Schoolfinder](#) (Canada)
- [Gradview](#) (Canada and US)
- [School Guides](#)
- [Grad Schools](#)
- [Grad Source](#)

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- [CMCC Chiropractic College](#) applications

A detailed list of post graduate admission links.

Web Links

Professional Associations/Sites of Interest

- [Biosphere Canada](#)
- [Canadian Coastal Science and Engineering Association](#)
- [Society for Conservation Biology](#)
- [Canadian Society of Biochemistry, Molecular and Cellular Biology](#)
- [Canadian Society for Medical Laboratory Science](#)
- [Society of Canadian Women in Science and Technology](#)

Industry-Specific Job Search Websites

- [Canadian Research.org](#)
- [Nature Jobs](#)
- [BioTalent Canada](#)
- [SciDocs](#)
- [Science Jobs](#)

Additional Career Related Information

- [University of Ottawa: What can I do with my studies?](#)
- [McGill University: What Can I Do?](#)
- [Guelph University: What Can I do?](#)
- [Brock University: What Can I Do?](#)

What can I do with a degree in Chemistry?

Skills

As an undergraduate student in Chemistry, you have many employability skills that are currently in demand. It is important that you are able to communicate these skills to potential employers. Some of these skills include:

- Research ability
- Developing theories
- Operate scientific equipment
- Work independently
- Information handling & organization
- Possess curiosity and creativity and innovative talents
- Knowledge of science theory & practical applications
- Statistical awareness
- Oral & written communication skills
- Numerical computation
- Analytical & quantitative abilities and strong problem solving skills
- [Ontario Skills Passport](#)

Potential Career Options

- Administrator
- Agricultural Scientist
- Anesthesiologist
- Assayer
- Chemical Oceanographer
- Chemist
- Clinical Specialist
- Cytotechnologist
- Dangerous Substance or Waste Control Industrial Supervisor/ Inspector
- Dentist
- Environmental Health Specialist
- Food Scientist Technician
- Forensic Chemist
- Hospital Administrator
- Medical technician
- Metallurgist
- Molecular Modeler
- Occupational Safety Specialist
- Pharmaceutical Sales Representative
- Pharmacist
- Physician
- Radiologist
- Researcher
- Sanitary conditions, Public or Industrial health hygienist
- Software designer
- Soil Scientist

- Teacher
- Technical writer
- Tissue Technologist
- Toxicologist
- Veterinarian
- Water Purification Chemist

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- Governments
- Health institutions
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- Social organizations
- Development companies in mining, metallurgy and pulp and paper
- Utilities

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- Educational establishments
- Environment
- Food processing
- Forest and Agriculture Exploitation
- High-tech
- Instrumental analyst
- Mental and Physical Health
- Microbiology
- New-product and material development
- Oceanography
- Pathology
- Petrochemical products
- Pharmaceutical
- Physiology
- Physics
- Research, development and quality control laboratories
- Technical sales and services

- Theoretical, digital, physical, organic and inorganic chemistry
- Marine or Cell Biology
- Microbiology
- Natural resources management
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- [Guelph University: What Can I do?](#)
- [Brock University: What Can I Do?](#)

What can I do with a degree in Computer Science?

Skills

As an undergraduate student in Computer Science, you have many employability skills that are currently in demand. It is important that you are able to communicate these skills to potential employers. Some of these skills include:

- Abstract and formal reasoning
- Programming language concepts
- Knowledge of operating systems
- Ability to organize simplify
- Ability to think logically and critically
- Detail-oriented and thorough
- Designing and conceptualizing systems
- Ability to classify and systemize
- Research ability
- Possess curiosity and creativity and innovative talents
- Statistical analysis
- Oral & written communication skills
- Numerical computation
- Analytical & quantitative abilities and strong problem solving skills
- [Ontario Skills Passport](#)

Potential Career Options

- Applications Developer
- Artificial Intelligence Programmer
- Computer Consultant
- Computer Engineer
- Computer Facilities Manager
- Computer Installation & Test Specialist
- Computer Marketing/Sales Rep
- Computer Programmer
- Computer Scientist
- Computer-Aided Design Tech
- Computing Consultant
- Database Administrator
- Electronic Commerce Specialist
- Information Scientist
- Market Research Analyst
- Network Architect
- Network Programmer
- Numerical Analyst
- Production Support Specialist
- Programmer Analyst
- Software Analyst
- Software Development Specialist
- Software Engineer
- Software Support Specialist
- Systems Analyst
- Systems Architect / Engineer

- Systems Programmer
- Teacher
- Technical Support Rep.
- Technical Writer
- Telecommunications Specialist

Employment Prospects in this Area of Study

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Gain Experience Related to Your Studies

The following types of organizations give you the opportunity to gain either volunteer or employment experience in the labour market related to your studies:

- Advertising agencies
- Computer and programming services throughout the private and public sectors
- Computer consulting firms
- Computer manufacturers
- Consulting companies providing software-related information technology services
- Educational institutions
- Governments
- Industries specializing in electronic processing of information
- Research institutions

You can also gain experience in the following work fields:

- Administration
- Aerospace
- Applications: database design, analysis and administration
- Artificial intelligence
- Computer system design and analysis
- Engineering Knowledge for expert systems
- Information technology and data processing
- Research operations
- Simulation
- Software engineering
- Teaching
- Telecommunications

Graduate Studies

Exploring Graduate Programs

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- [Schoolfinder](http://www.schoolfinder.ca) (Canada)

- [Gradview](#) (Canada and US)
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- [Graduate Records Exam \(GRE\)](#) (Master's degrees in Arts/Social Sciences)
- [Masters of Business Administration \(MBA\)](#) – Also includes GMAT information

A detailed list of post graduate admission links.

Web Links

Professional Associations/Sites of Interest

- [Canadian Human-Computer Interaction Society](#)
- [Canadian Information Processing Society](#)
- [Canadian Society for Computational Studies of Intelligence](#)
- [Centre francophone d'informatisation des organisations](#)
- [Ordre des ingénieurs du Québec](#)
- [Professional Engineers Ontario](#)
- [Software Human Resources Council](#)

Industry-Specific Job Search Websites

- [Asset Computer Personnel](#)
- [Canada IT](#)
- [Computer Work](#)
- [Information Technology Careers](#)
- [IT Harvest](#)
- [Jobs for Programmers](#)
- [Multimediator Pixel Scout](#)

Additional Career Related Information

- [University of Ottawa: What can I do with my studies?](#)
- [McGill University: What Can I Do?](#)
- [Guelph University: What Can I do?](#)
- [Brock University: What Can I Do?](#)

What can I do with a degree in Earth Sciences?

Skills

As an undergraduate student in Earth Sciences, you have many employability skills that are currently in demand. It is important that you are able to communicate these skills to potential employers. Some of these skills include:

- Plan long-term projects
- Interview skills
- Gather & organize data, examine data and summarize results
- Observe human interactions and understand group dynamics
- Develop project designs
- Write clearly
- Write grant proposals
- Conduct field studies
- Evaluation skills
- Recognize similarities
- Apply non-intrusive methods
- Communicate across cultures
- Surveying & sampling
- Computer modeling
- Identify value systems
- Utilize statistical applications
- Read/construct maps/graphs
- [Ontario Skills Passport](#)

Potential Career Options

- Aerial Photo Interpreter
- Agricultural Extension Agent
- Agrogeologist
- Air/Water Quality Control Manager
- Cartographer
- Climatologist
- Coastal Zone Manager
- Community Developer
- Consultant
- Demographer
- Drilling director
- Earth Scientist
- Ecologist
- Ecotourism consultant
- Environmental advisor
- Environmental Impact Analyst
- Environmental policy analyst
- Environmental Quality Specialist
- Facilities Planner
- Forestry Technician
- Geochemist
- Geographer

- Geographic Area Specialist
- Geographic information systems expert
- Geologist
- Geophysicist
- Hazardous Waste Planner
- Health Services Organization Manager
- Hydrologist
- Industrial Developer
- International Business Rep
- International Investment Analyst
- Land Developer
- Land Economist
- Land-Use Analyst
- Map Analyst
- Map Editor
- Market Research Analyst
- Mineralogist
- Natural Resources Specialist
- Oceanographer
- Oil or natural gas production or exploitation manager
- Outdoor Guide
- Paleontologist
- Park administrator
- Public servant
- Public Utilities Specialist
- Remote-sensing specialist
- Researcher
- Satellite image analyst
- Seismologist
- Site Researcher
- Soil assessment technician
- Soil Conservationist
- Surveyor
- Systems Analyst
- Teacher
- Transportation Analyst
- Travel Agent/Specialist
- Urban designer
- Weather Forecaster
- Wildlife Manager
- Writer/Author
- Zoning Investigator

Employment Prospects in this Area of Study

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Gain Experience Related to Your Studies

The following types of organizations give you the opportunity to gain either volunteer or employment experience in the labour market related to your studies:

- Consulting firms
- Educational establishments
- Engineering firms
- Governments
- Laboratories
- Private agencies or organizations
- Public utility services

You can also gain experience in the following work fields:

- Administration
- Consulting
- Ecology
- Environmental analysis and planning
- Environmental impact evaluation
- Geology
- Health and security
- Health standards and inspection
- Law
- Natural resources
- Natural resources development
- Natural sciences
- Pollution and waste control
- Regulation
- Teaching

Graduate Studies

Exploring Graduate Programs

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- [Graduate Records Exam \(GRE\)](#) (Master's degrees in Arts/Social Sciences)
- [Law School Admission Test \(LSAT\)](#)
- [Masters of Business Administration \(MBA\)](#) – Also includes GMAT information

A detailed list of post graduate admission links.

Web Links

Professional Associations/Sites of Interest

- [Association des producteurs de gazon du Québec \(French\)](#)
- [Atlantic Geo-science Society](#)
- [Canadian Council for Geographic Education](#)
- [Canadian Council of Ministers of the Environment](#)
- [Canadian Geophysical Union](#)
- [Canadian Geotechnical Society](#)
- [Canadian Institute of Planners](#)
- [Canadian Public Health Association](#)
- [Canadian Society of Petroleum Geologists](#)
- [Earth Day Canada](#)
- [Environmental Careers Organization](#)
- [Geological Association of Canada](#)
- [Geological Survey of Canada](#)
- [Mineralogical Association of Canada](#)
- [Ontario Association for Geographic and Environmental Education](#)
- [Royal Canadian Geographical Society](#)

Industry-Specific Job Search Websites

- [American Geological Institute](#)
- [EarthWorks-Jobs.com](#)
- [ESRI Canada](#)
- [Geological Association of Canada](#)
- [Geomatics Canada](#)
- [Mineralogical Association of Canada](#)
- [Natural Resources Canada](#)
- [Nature Jobs](#)
- [SciDocs](#)
- [Science Careers](#)
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Additional Career Related Information

- [University of Ottawa: What can I do with my studies?](#)
- [McGill University: What Can I Do?](#)
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- [Brock University: What Can I Do?](#)

What can I do with a degree in Economics?

Skills

As an undergraduate student in Economics, you have many employability skills that are currently in demand. It is important that you are able to communicate these skills to potential employers. Some of these skills include:

- Reading comprehension
- Active Listening
- Oral & Written communication
- Mathematics & science ability
- Knowledge of labour market trends and resources
- Critical thinking
- Research skills
- Computer literacy
- Business related skills
- Ability to prepare & write reports
- [Ontario Skills Passport](#)

Potential Career Options

- Actuary
- Auditor
- Bank or Credit manager
- Broker
- Business Forecaster
- Demographer
- Economist
- Efficiency Expert
- Entrepreneur
- Estate Planner
- Exchange agent
- Financial Planner/Analyst
- Government Administrator
- Healthcare Administrator
- Industrial development officer
- Industrial Economist
- Insurance manager
- International Trade Specialist
- Journalist
- Labour Economist
- Labour Relations Specialist
- Lawyer
- Litigation Analyst
- Management Consultant/Analyst
- Market Research Analyst
- Placement agency manager
- Policy analyst
- Public Administrator/Manager
- Real Estate manager

- Researcher
- Sales or Marketing manager
- Securities Trader
- Statistician
- Teacher
- Transportation Specialist
- Urban/Regional Planner
- Wage and Salary Administrator

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Gain Experience Related to Your Studies

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- Banks
- Brokerage houses
- Car dealerships
- Consulting firms
- Consumer loan companies
- Credit card companies
- Credit and financial department in private sector
- Credit unions
- Educational institutions
- Federal government
- Government departments
- Insurance companies
- Manufacturing firms
- Marketing firms
- Mortgage investment companies
- Municipalities
- Mutual fund investment firms
- Provincial and territorial governments
- Real estate firms
- Self-employment
- Trust company

You can also gain experience in the following work fields:

- Administration and Financial management
- Agricultural and industrial markets
- Banking operations
- Business
- Consumer economics
- Demography
- Econometrics
- Economic development

- Education
- Finance
- Health and Social service
- Inflation and unemployment
- Insurance
- International trade
- Labour economics
- Law
- Mathematics and Statistics
- Monetary politics
- Money market
- Project or Financial analysis and evaluation
- Research
- Taxation

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Exploring Graduate Programs

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Applying to Grad School

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- [Masters of Business Administration \(MBA\)](#) – Also includes GMAT information

A detailed list of post graduate admission links.

Web Links

Professional Associations/Sites of Interest

- [American Economic Association](#)
- [Association des économistes québécois \(french\)](#)
- [Canadian Association for Business Economics](#)
- [Canadian Economics Association](#)

- [Canadian Federation for the Humanities and Social Sciences](#)
- [Social Science and Humanities Research Council of Canada](#)
- [Social Science Research Council](#)

Industry-Specific Job Search Websites

- [Accelerated Economist Training Program](#)
- [Economics Jobs.com](#)
- [Office of the Auditor General of Canada](#)
- [The quantitative Macroeconomics and Real Business Cycle Home Page](#)

Additional Career Related Information

- [University of Ottawa: What can I do with my studies?](#)
- [McGill University: What Can I Do?](#)
- [Guelph University: What Can I do?](#)
- [Brock University: What Can I Do?](#)

What can I do with a degree in Environmental Studies?

Skills

As an undergraduate student in Environmental Studies, you have many employability skills that are currently in demand. It is important that you are able to communicate these skills to potential employers. Some of these skills include:

- Summarize research findings
- Perceiving patterns & structures
- Apply concepts
- Apply knowledge creatively
- Use laboratory equipment
- Technical writing
- Report results orally and in writing
- Attention to details
- Applying logic to problems
- Utilizing formulas
- Define problems
- Maintain precision and accuracy
- Organize and report data
- Analyze data
- Evaluate data and results
- Gather information
- Assess risks
- Inform and explain
- [Ontario Skills Passport](#)

Potential Career Options

- Air Pollution Analyst
- Architect
- City Planner
- Conservationist
- Ecologist
- Ecotourism Consultant
- Environmental Advisor
- Environmental Analyst
- Environmental Consultant
- Environmental Educator
- Environmental Impact Analyst
- Environmental Lawyer
- Environmental Lobbyist
- Environmental Planner
- Geographer
- Journalist, Author
- Management Consultant
- Natural Resource Specialist
- Outdoor Trip Leader
- Park Manager
- Researcher

- Resource Economist
- Teacher
- Urban/Regional Planner

Employment Prospects in this Area of Study

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Gain Experience Related to Your Studies

The following types of organizations give you the opportunity to gain either volunteer or employment experience in the labour market related to your studies:

- Aboriginal affairs
- Consulting firms
- Educational establishments
- Federal government
- Municipalities
- National defense
- Non profit organizations
- Private agencies and organizations
- Provincial and national parks
- Provincial and territorial governments
- Treatment plants

You can also gain experience in the following work fields:

- Aboriginal Affairs
- Administration
- Agriculture
- Air and water quality management
- Ecology
- Education
- Environmental impact evaluation
- Environmental planning, development and analysis
- Fauna, flora and water conservation and protection
- Forestry
- Geography
- Law
- Media
- National defense
- Natural resources
- Natural resources development
- Natural sciences
- Politics
- Pollution control
- Sanitary standards or inspection
- Waste management

Graduate Studies

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A detailed list of post graduate admission links.

Web Links

Professional Associations/Sites of Interest

- [Canadian Trust Friends of the Environmental Foundation](#)
- [Canadian Council of Ministers of the Environment](#)
- [Earth Day Canada](#)
- [Environmental Careers Organization](#)

Industry-Specific Job Search Websites

- [Careers in Environmental Research and Management](#)
- [ECO Canada](#)
- [EcoEmploy.com](#)
- [Earth Works Jobs](#)
- [Parks Canada](#)
- [Eco Jobs](#)

What can I do with a degree in Forensic Science?

Skills

As an undergraduate student in Forensic Science, you have many employability skills that are currently in demand. It is important that you are able to communicate these skills to potential employers. Some of these skills include:

- Knowledge of science and social science and their relationships
- Communication and public presentation skills
- Ethical sense
- Understanding of the links among forensics, human behaviour, and social organization
- Understanding of legal issues
- Summarize research findings
- Apply concepts
- Use laboratory equipment
- Technical writing
- Report results orally and in writing
- Attention to details
- Applying logic to problems
- Define problems
- Maintain precision and accuracy
- Analyze data
- Evaluate data and results
- Gather information
- [Ontario Skills Passport](#)

Potential Career Options

- Academic assistance – psychology (including criminal/psychological profilers)
- Crime laboratory analyst – trace evidence examination
- Crime scene examiner – police officers
- Forensic specialists, such as entomologists, anthropologists, odontologists, engineers
- Management careers (special opportunities in tech and pharma companies, regulatory roles, materials and process testing, and civilian security)
- Medical examiner or forensic pathologist (requires medical degree)
- Ministry of Natural Resources
- Professional and management positions in the civil service (international, national, provincial and state)
- Publicly funded police and security services
- Technical assistance – computer analyst, polygraph, composite drawing

Employment Prospects in this Area of Study

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Gain Experience Related to Your Studies

The following types of organizations give you the opportunity to gain either volunteer or employment experience in the labour market related to your studies:

- Educational establishments
- Federal government
- Municipalities
- Community police force
- Non profit organizations
- Private agencies and organizations
- Provincial and national parks
- Provincial and territorial governments

You can also gain experience in the following work fields:

- Performing lab experiments
- Attending science fairs
- Working or volunteering in a hospital or lab
- Participating in a science club or organization
- Reading science journals
- Working part-time at a police/fire station
- Following legal trials
- Reading materials linked to legal and protective services
- Administration
- Law

Graduate Studies

Exploring Graduate Programs

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- [Law School Admission Test \(LSAT\)](#)

- [Masters of Business Administration \(MBA\)](#) – Also includes GMAT information

A detailed list of post graduate admission links.

Web Links

Professional Associations/Sites of Interest

- [American Academy of Forensic Sciences](#)
- [American Board of Criminalistics](#)
- [American Board of Forensic Entomology](#)
- [American Board of Forensic Odontology](#)
- [American Board of Forensic Toxicology](#)
- [American Society of Crime Lab Directors](#)
- [Canadian Identification Society](#)
- [Canadian Society of Forensic Sciences](#)
- [Canadian Traffic Education Centre](#)
- [Carpenter's Forensic Science Research](#)
- [Centre of Forensic Sciences](#)
- [Federal Bureau of Investigation \(FBI\)](#)
- [Forensic Education](#)
- [Forensic Science International \(Journal\)](#)
- [Forensic Science Society](#)
- [Forensics.ca - the Forensic Science Portal](#)
- [Interactive Investigator – Your Introduction to the World of Forensic Science](#)
- [International Crime Scene Investigators Association](#)
- [Laboratoire de sciences judiciaires et de médecine légale du Quebec](#)
- [Post-Secondary Forensic Science Programs, USA only](#)
- [RCMP Gazette](#)
- [Reddy's Forensic Page](#)
- [Royal Canadian Mounted Police \(RCMP\)](#)
- [Science & Justice - The Journal](#)
- [Society of Forensic Toxicologists](#)
- [University of Toronto's Forensic Science Department at Erindale Campus](#)
- [University of Windsor Forensic Science Program FAQ's](#)
- [Zeno's Forensic Page](#)

Industry-Specific Job Search Websites

- [BioSpace](#)
- [Canadian Institutes of Health Research](#)
- [Canadian International Development Agency](#)
- [Canadian Society for Medical Laboratory Science](#)
- [International Federation of Biomedical Laboratory Science](#)
- [Ontario Hospital Association](#)
- [National Institutes of Health - US](#)
- [National Research Council Canada](#)
- [Science Careers](#)
- [Science Jobs](#)
- [World Health Organization](#)

Additional Career Related Information

- [University of Ottawa: What can I do with my studies?](#)
- [McGill University: What Can I Do?](#)
- [Guelph University: What Can I do?](#)
- [Brock University: What Can I Do?](#)

What can I do with a degree in Physics?

Skills

As an undergraduate student in Physics, you have many employability skills that are currently in demand. It is important that you are able to communicate these skills to potential employers. Some of these skills include:

- Define research problems
- Develop research models
- Establish hypotheses
- Gather/analyze data
- Evaluate ideas
- See relationships among factors
- Develop & write research proposals
- Review scientific literature
- Summarize research findings
- Inform, explain, instruct
- Prepare technical reports
- Draw meaningful conclusions
- Measure distances/relationships
- Perform calculations
- Mathematical modeling
- Maintain records
- Utilize math formulas
- Design equipment
- Identify/classify materials
- Observe data
- Establish experimental designs
- Use instruments
- [Ontario Skills Passport](#)

Potential Career Options

- Acoustics Physicist
- Aerodynamist
- Aerospace engineer
- Air Traffic Controller
- Agriculture Scientist
- Astrophysicist
- Atomic Physicist
- Automotive Engineer
- Biophysicist
- Chemical Physicist
- Climatologist
- Environmental Analyst
- Fluids Physicist
- Forensic Scientist
- Geophysicist
- High-Tech Designer

- Hydrologist
- Industrial Hygienist
- Laboratory Technician
- Lawyer, Technology Specialty
- Mathematician
- Medical Physicist
- Meteorologist
- Molecular Physicist
- Nuclear Physicist
- Occupational Safety Specialist
- Optical Medical Devices Designer
- Optometrist
- Physicist
- Physics Researcher
- Physiognomist
- Plasma Physicist
- Quality Control Manager
- Radiological Laboratory Director
- Researcher
- Research & Development Scientist
- Science Writer
- Scientific Photographer
- Seismologist
- Software designer for material sciences
- Solid Earth Physicist
- Stratigrapher
- Systems Analyst
- Teacher
- Technical Consultant

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Gain Experience Related to Your Studies

The following types of organizations give you the opportunity to gain either volunteer or employment experience in the labour market related to your studies:

- Atmospheric environment services
- Computer manufacturers
- Educational institutions
- Electronic and aerospace material manufacturers
- Engineering firms
- Financial institutions
- Governments
- Hospitals
- Hydroelectricity companies
- Industrial establishments

- Military
- Research laboratories and universities
- Resource and utility companies
- Telecommunications companies

You can also gain experience in the following work fields:

- Acoustics
- Administration
- Aerospace
- Atomic, molecular, medical, nuclear or health physics
- Astrophysics
- Biophysics
- Computer Science
- Electromagnetism
- Engineering
- Environmental science
- Fundamental or applied research
- Geology
- Geophysics
- Hi-tech
- Laser or particle physics
- Materials science
- Mathematics
- Medicine
- Metallography
- Metallurgical industry
- Meteorology
- Microelectronics
- Pedology
- Photonics
- Teaching
- Telecommunications

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Web Links

Professional Associations/Sites of Interest

- [American Association of Physics Teachers](#)
- [Canadian Association of Physicists \(CAP\)](#)
- [Ontario Association of Physics Teachers](#)
- [Photonics Research Ontario](#)
- [Pulp and Paper Technical Association of Canada](#)
- [Canadian Organization of Medical Physicists](#)
- [Physics world](#)
- [American Institute of Physics](#)

Industry-Specific Job Search Websites

[BioView.com](#)
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[Science Jobs](#)

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