

Atmospheric Sciences, Bachelor of Science

The domain of Earth and Planetary Sciences includes the solid Earth and its hydrosphere and extends to the neighboring terrestrial planets. It is a multidisciplinary field in which the principles of chemistry, physics, and mathematics are applied to the rich problems of the real world in order to understand how planets like the Earth work; in the past, the present, and the future.

What you can be with your Atmospheric Sciences, Bachelor of Science Degree:

Petroleum Chemist #2112	Geologist #2113	Geophysicist #2113	Hydrogeologist #2113	Physical Oceanographer #2113
Soil Scientist #2115	Physical Sciences Laboratory Technician #2241	Geomatics Technologist—Surveying #2254	Land Survey Technologist #2254	Geographic Information Systems (GIS) Technician #2255
Hazardous Waste Inspector #2263	Pollution Control Inspector	Management Consultant #1122	Benefits Officer #1432	Marketing Specialist
Quality Control/Quality Assistance Specialist	Public Relations Consultant #5124	Analyst #1121	Insurance Agent #6231	Science-based Investment Advisor #1112
Market Researcher #4163	Human Resources Specialist #1121	Recruiter #1223	Entrepreneur	Academic Advisor #4143
Educator/Trainer #4131	Informal Sciences Educator	Patent Agent #4161	Technology Transfer Officer	Resource Economist #4162
Urban Planner #2153	Mining Engineer #2143	Seismologist #2113	Resource Economist #4162	Ecologist #2121
Writer #5121	Editor #5122	Reporter #5123	Journalist #5123	Broadcaster #5231
Publisher #0016	Technical Writer #5121	Producer #0016	Web Developer	Informatics Specialist #2171
Resource Economist #4162	Astronomer #2111	Cartographer #2255		

This career/job listing is only a sample of the possible career options; these are certainly not the only career/job options accessible with this degree/diploma. Some of the careers listed require further education. For career information, enter the four-digit number listed below in the Alberta Learning Information Services Website (www.alis.alberta.ca) or the National Occupational Classification Website (<http://www5.hrsdc.gc.ca/NOC>)

RDC Career Services can help you explore your interests, identify your goals, discuss your career options and job search strategies and discover how to make the most of your education. Email or give us a call to connect with a career counsellor.

RDC Information: Atmospheric Sciences, Bachelor of Science is a University Transfer Program
<https://rdc.ab.ca/programs/sciences/bachelor-science-university-transfer>

Potential employers:

Atmospheric Environment	Metallurgical Industry	Non-Governmental Agencies	Environmental Agencies
Computer Manufacturers	Engineering Firms	Entrepreneur Geophysics Firms	Research Firms
Market Research	Military	High Tech Companies	Hydroelectricity Companies
Geotechnical or Industrial Laboratories	Mining and Petroleum Companies	Pollution and Waste Management Firms	

Major Skills Obtained:

- Interpersonal communication (oral & written)
- Engage in ethical practice
- Surveying & sampling
- Problem solving
- Able to observe, analyze, and interpret information
- Decision making
- Concern for and sensitivity to others
- Establish control designs
- Critical and inferential thinking
- Define research problems
- Review scientific literature
- Observe data
- Develop & write research proposals
- Be familiar with current environmental laws
- Identify and classify materials
- Measure distances / relationships Prepare technical reports
- Evaluate ideas
- Field sampling
- Use laboratory equipment
- Assess risks

Professional associations and sites of interest

Canadian Association of Physicists (CAP)-

www.cap.ca ECO Canada - www.cchrei.ca

Canadian Public Health Association- www.cpha.ca

American Astronomical Society- www.aas.org

American Physical Society Careers/Employment

Information- www.aps.org/jobs/index.html

Physics and Astronomy Online- www.physlink.com

Geological Association of Canada- www.gac.ca

Canadian Society of Petroleum- www.cspg.org

Canadian Society of Exploration Geophysicists-

www.cseq.ca

Geological Society of America- www.geosociety.org

American Association of Petroleum Geologists-

www.aapg.org

Society of Exploration Geophysicists- www.seg.org

American Geological Institute-

www.agiweb.org/index.html

Association for Women Geoscientists-

www.awg.org

Red Deer River Naturalists-

www.rdrn.fanweb.ca/rdrn_home_page.htm

Chinook Environmental Services-

www.chinook.com/Enviro/index.php

Alberta Emerald Association-

<http://www.emerald.foundation.ca>

Land Stewardship Center of Canada-

www.landstewardship.org

Northern Geo Testing and Engineering Ltd.-

http://www.metrotesting.ca/gme/contact_us.html

Clifton Associations Ltd.-www.clifton.ca

JASA Engineering Inc.- www.jasa.ca

P Machibroda Engineering Ltd. -

www.machibroda.com

Bantrel Co - www.bantrel.com

Information adapted from mcgill.ca