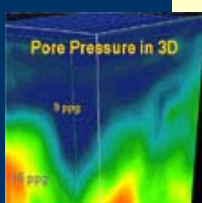
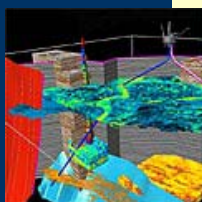
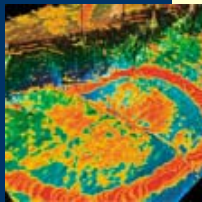
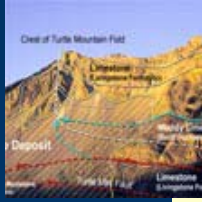


Canadian Universities with Geophysics Programs



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<p>Carleton University, Ottawa, ON College of Natural Science Computational Geophysics</p>	<p>http://www.earthsci.carleton.ca/</p>
<p>University of Alberta, Edmonton, AB Department of Physics (Geophysics)</p>	<p>www-geo.phys.ualberta.ca</p>
<p>University of British Columbia, Vancouver, BC Department of Earth and Ocean Sciences</p>	<p>http://www.eos.ubc.ca/academic/careers/geophysics/eng-geop.html</p>
<p>University of Calgary, Calgary, AB Department of Geology and Geophysics</p>	<p>www.geo.ucalgary.ca</p>
<p>Memorial University of Newfoundland, St. John's, NF Department of Earth Sciences</p>	<p>http://www.mun.ca/regoff/calendar/sectionNo=SCI-0394</p>
<p>McGill University, Montreal, QC Department of Earth and Planetary Sciences Department of Geological Sciences</p>	<p>www.eps.mcgill.ca</p>
<p>University of New Brunswick, Fredericton, NB Geology-Physics Option</p>	<p>http://www.unb.ca/fredericton/science/geology/index2.htm</p>
<p>Queen's University, Kingston, ON Department of Geological Sciences and Geological Engineering</p>	<p>http://geol.queensu.ca/</p>
<p>University of Ottawa, Ottawa, ON Department of Earth Sciences</p>	<p>http://www.science.uottawa.ca/est/eng/welcome.html</p>
<p>University of Saskatchewan, SK Department of Geological Sciences</p>	<p>http://www.usask.ca/geology/</p>
<p>University of Toronto, Toronto, ON Department of Physics</p>	<p>http://www.physics.utoronto.ca/research/planetary/geophysics</p>
<p>University of Victoria, Victoria BC School of Earth and Ocean Sciences Combined Major and Honours Programs in Geophysics</p>	<p>http://web.uvic.ca/seos/undergrad/program.htm</p>
<p>University of Waterloo, Waterloo, ON Department of Earth Sciences</p>	<p>www.science.uwaterloo.ca/earth/</p>
<p>University of Western Ontario, London, ON Department of Earth Sciences</p>	<p>www.uwo.ca/earth/welcome.htm</p>

****This is not a comprehensive list!**
****Geophysicists often come from an Applied Physics, Mathematics, or Engineering background. Please check out these programs at additional Canadian Universities as well!**

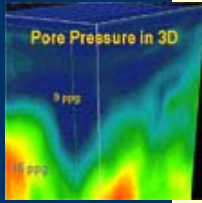
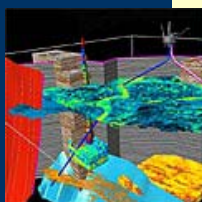
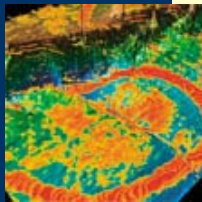
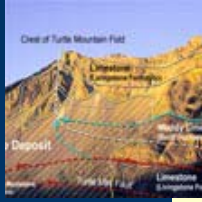
Example Geophysics Curriculum: University of Calgary BSc Geophysics



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University Entrance requirements:

High School graduates require a strong background in math, chemistry, physics and English, and in some cases biology, to prepare for the university programs in the geosciences. Familiarity with computers is essential.

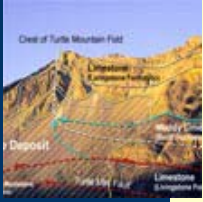


U of C B.Sc. Geophysics Degree: Suggested Year-by-Year Program

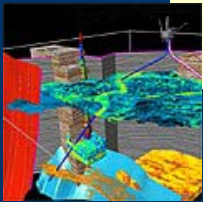
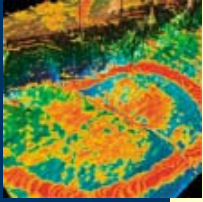
DEGREE REQUIREMENTS:		SOME RECOMMENDED OPTIONS:																								
<table border="1"> <thead> <tr> <th>Fall</th> <th>First Year</th> <th>Winter</th> </tr> </thead> <tbody> <tr> <td>Glgy 201 or 209/001 Math 221 Chem 201 Phys 211 or 221 Non-science Option*</td> <td>Glgy 203 Math 251 or 249 Chem 203 Phys 223 Non-science Option*</td> <td></td> </tr> <tr> <th colspan="3">Second Year</th> </tr> <tr> <td>Goph 355 Math 253 Phys 321 Glgy 381 Non-science Option*</td> <td>Goph 359 Math 331 Stat 357** Science Option Non-science Option*</td> <td></td> </tr> <tr> <th colspan="3">Third Year</th> </tr> <tr> <td>Goph 453 Amat 413** Cpsc 231 or 215 Phys 323 Non-science Option*</td> <td>Glgy 341 Goph 457 Amat 415 Science Option Non-science Option*</td> <td></td> </tr> <tr> <th colspan="3">Fourth Year</th> </tr> <tr> <td>Goph 549*** Goph 557 Goph 509 or 653** Geology Option Non-science Option*</td> <td>Goph 547 Goph 551 Goph 559 Option Non-science Option*</td> <td></td> </tr> </tbody> </table>		Fall	First Year	Winter	Glgy 201 or 209/001 Math 221 Chem 201 Phys 211 or 221 Non-science Option*	Glgy 203 Math 251 or 249 Chem 203 Phys 223 Non-science Option*		Second Year			Goph 355 Math 253 Phys 321 Glgy 381 Non-science Option*	Goph 359 Math 331 Stat 357** Science Option Non-science Option*		Third Year			Goph 453 Amat 413** Cpsc 231 or 215 Phys 323 Non-science Option*	Glgy 341 Goph 457 Amat 415 Science Option Non-science Option*		Fourth Year			Goph 549*** Goph 557 Goph 509 or 653** Geology Option Non-science Option*	Goph 547 Goph 551 Goph 559 Option Non-science Option*		<p>Faculty of Science or Faculty of Engineering</p> <p>Goph 509 Independent Study Goph 600-level courses (prereq. and dept. approval req'd) Glgy 311 Minerals and Rocks Glgy 401 Physical Hydrogeology Glgy 441 Field Techniques in Hydrogeology Glgy 541 Advanced Structural Geology Glgy 555 Global Geology Glgy 571 Engineering Geology Glgy 577 Petroleum Geology Glgy 597 Numerical Models and Geostatistics Pmat 421 Introduction to Complex Analysis Amat 311 Differential Equations I Amat 413 Introduction to Partial Differential Equations Stat 357 Statistics for the Physical Sciences Phys 325 Modern Physics II Phys 341 Classical Mechanics I Phys 343 Intermediate Mechanics Phys 347 Thermodynamics Phys 443 Quantum Mechanics I Phys 455 Electromagnetic Theory II Phys 533 Mathematical Methods of Physics II Apph 427 Fundamentals of Radiation Detection Apph 507 Electronics for Scientists Apph 575 Optics and Electro-optics Enpe 507 Well Logging and Formation Evaluation Enpe 513 Flow in Porous Media Enpe 515 Drilling and Well Completions Scie 311 Writing and Reviewing Scientific Reports</p> <p>Faculty of Social Sciences</p> <p>Anth 303 Business in a Cultural Context Arky 201 Introduction to Archaeology Econ 201/203 Principles of Micro/Macroeconomics Econ 325 Petroleum in the N.A. Economy Econ 327 Petroleum in the World Economy Geog 333 Mapping & Remote Sensing Geog 433 Remote Sensing of the Environ. Geog 535 Environ. Image Analysis Poli 381 Introduction to International Relations</p> <p>Faculty of Humanities</p> <p>Languages: French, Spanish, German, Chinese, Russian Phil 279 Logic I Phil 329 Business Ethics Phil 367 Science & Philosophy</p> <p>Other Faculties</p> <p>Coms 361 Spoken & Written Discourse Coms 363 Technical Writing Sigma 301 Elements of Effective Communication</p>
Fall	First Year	Winter																								
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<p>Note: a minimum grade of C- is required in all prerequisite courses</p> <p>* 8 Optional courses are required from <u>outside</u> the Faculty of Science (minimum of 2 Humanities + 2 Social Sciences)</p> <p>** Required for the Honours program (majors may substitute science or other optional courses)</p>		<p>*** Goph 549 (Field School) runs for about 12 days prior to the Fall Session</p>																								



Canadian Colleges with Geophysics Technology Programs



SAIT Diploma in Exploration Information Technology	http://www.sait.ab.ca/pages/cometosait/academic/diplomas/aeit.shtml
NAIT Diploma in Geological Technology	http://www.nait.ca/programs/GTN/
BCIT Diploma in Mining Technology	http://www.bcit.ca/study/programs/6600diplt



Canadian Geophysical Service Companies CAGC Members

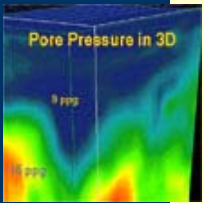


For a complete listing of members, and their area of specialties, go to:

<https://www.cagc.ca/membership.html>

For a list of industry training and certification courses, go to:

<https://www.cagc.ca/training.html>

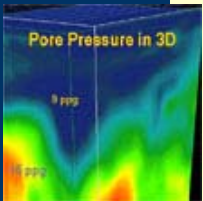
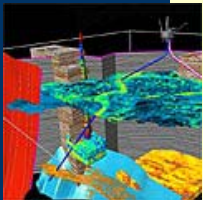
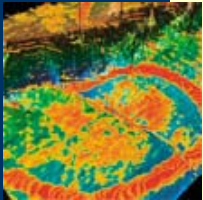
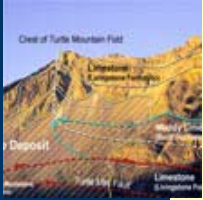


Example Geophysics Technologist Curriculum: SAIT Diploma in Exploration Information Technology



Admission Requirements:

Alberta High School Diploma or equivalent with at least 50% in each of the following courses or their equivalents: Pure Math 30, English Language Arts 30-1 or English Language Arts 30-2 and a minimum 20 level science (excluding Science 24 and 26).



First Year

Semester 1

- COMM-238 Technical Communications I
- COMP-206 Computer Fundamentals and Unix
- GEOL-225 Physical Geology
- GEO-295 Geophysics Data Processes I
- MATH-235 Mathematics for Technology I

Semester 2

- CMPN-269 Computer Networking
- CMPP-334 Java Programming Level I
- DRGL-220 Drilling Fundamentals for Exploration
- GEOL-380 Exploration Geology
- GEO-296 Geophysical Data Processes II
- STAT-240 Statistics

Second Year

Semester 3

- CMPP-230 Database Design and SQL Programming
- CMPS-320 Unix Systems for Geologist
- COMM-288 Technical Communications II
- GEOL-385 Case Studies in Petroleum Geology
- GEOL-390 Log Analysis for Geologists
- GEO-396 Advanced Geophysical Applications

Semester 4

- CMPS-357 Systems Administration
- GEOL-386 Case Studies in Energy Development
- GEO-395 Case Histories in Geophysics
- GEO-397 Seminar Topics in Geophysics
- GEOS-401 GIS Technology
- RESR-225 Reservoir Engineering for Geologists



APEGGA Salary Survey 2006



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TABLE 3

GEOPHYSICISTS – ALL INDUSTRIES

LEVEL	# OF MEMBERS	CHANGE IN MEAN 05 - 06	MEAN \$	D1 \$	Q1 \$	MEDIAN \$	Q3 \$	D9 \$
A-	19	3.9%	49,387	42,600	45,600	48,000	53,352	56,400
A	18	7.1%	58,599	50,336	59,000	60,500	61,500	63,200
B	31	0.6%	64,802	50,000	65,040	67,000	70,000	73,000
C	49	2.0%	81,311	66,000	74,460	82,100	89,000	93,504
D	51	1.3%	104,190	86,587	95,264	102,000	111,250	117,000
E	113	3.8%	134,915	120,000	130,000	136,000	140,300	146,765
F	93	5.2%	150,656	140,640	146,200	150,000	154,000	158,400
F+	22	-2.8%	163,559	145,800	150,000	155,000	166,700	194,300

