

B.S. GEOCHEMISTRY

Checklist for _____ 2010

	Credit hours	When completed
___ GEO 165 Geology I	3	_____
___ GEO 169 General Geology Lab	1	_____
___ GEO 210 Geology II	3	_____
___ GEO 411 Mineralogy	4	_____
___ GEO 421 Petrology	4	_____
___ GEO 431 Geochemistry.....	4	_____
___ GEO 459 Seminar in Geosciences.....	1	_____ or
___ CHEM 495-496.....	2	_____
 ___ GEO 300/400 courses with labs	 8	 [may incl. 4 hrs GIS; no more than 2 hours Directed Study; excludes Internship & Lab Supervision]
_____		_____
_____		_____
 ___ CHEM 115/125 General Chemistry I	 4	 _____
___ CHEM 116/126 General Chemistry II.....	4	_____
___ CHEM 215/225 Organic Chemistry I....	4	_____
___ CHEM 216/226 Organic Chemistry II...	4	_____
___ CHEM 290 Intro to Research.....	1 (recommended)	_____
___ CHEM 315/325 Physical Chemistry I...	4	_____
___ CHEM 317/327 Analytical Chemistry I	4	_____
___ CHEM 318/328 Analytical Chemistry II	4	_____
 ___ PHYS 230/232 University Physics I	 5	 _____
___ PHYS 231/233 University Physics II	5	_____
 ___ MATH 122 University Calculus I.....	 4	 _____
___ MATH 123 University Calculus II.....	4	_____
 ___ <i>A course in Statistics (200-level or above)...</i>	 3	 _____

and...

___ WRITING requirement: take any one of GEO 330, 335, or 400 (in addition to required GEO 421 and 370). These courses can also qualify as 300/400 electives.

TRANSFER CREDITS _____ YEAR GRADUATED _____
CCC requirements

Writing_____ (English 100 or equivalent)

Math_____ (fulfilled)

Foreign Language _____ (see College Catalog)

Arts_____

Humanities_____

Social Sciences_____ & _____

Natural Science_____ & _____ (fulfilled)

American History _____

Western Civilization_____

Non-Western Civilization_____

Speaking Intensive _____ GEO 459 or CHEM 495-496 + one other

Upper Level (6 hrs; **waived with minor**) _____

66 hours beyond major:_____

B.S. Geochemistry majors are encouraged to obtain a masters degree (M.S.) in geochemistry or related field to be fully competitive for professional positions. The current view that metallic, fossil fuel, and water resources are reaching critical profitable extraction potential suggests that employment opportunities for geoscientists of all types will continue to grow well into the foreseeable future. Current and pending environmental concerns are another area where the skills of well-trained geoscientists will be in demand. The best way to fully prepare for success in geochemistry is to work hard in all your undergraduate classes (including math, chemistry, and physics) and to augment that knowledge with a strong post-graduate experience.