

Missouri S&T — China University of Geosciences, Beijing

Geology and Geophysics BS Transfer Guide

Effective Fall 2012

The following course work will apply to Missouri S&T degree requirements as outlined below. All curriculum and transfer content is subject to university, school, departmental, and faculty review and approval on an ongoing basis.

| China University of Geosciences, Beijing | | Missouri S&T | | | |
|--|--|--------------|--------------------|--|-----------|
| CUGB # | Title | Hours | S&T # | Title | Hours |
| Mathematics and Science (Take all courses) | | | | | |
| Mathematics and Science | Advanced Mathematics I and Advanced Mathematics II | 12 | MATH 014, 015, 022 | Calculus for Engineers I and II and Calculus with Analytic Geometry III | 12 |
| | Linear Algebra | 2 | Math 208 | Linear Algebra | 3 |
| | Probability and Mathematics Statistics A | 3 | STAT 215 | Engineering Statistics | 3 |
| | Equations of Mathematical Physics and Special Functions | 2 | MATH 325 | Partial Differential Equations | 3 |
| | College Chemistry | 3.5 | CHEM 001,002 | General Chemistry I and Lab* <small>*Department will substitute for Chem 1,2</small> | 5 |
| | Fundamentals of Computers/Computer Science | 4 | | General Credit | 4 |
| | Computer High-Level Language C++ | 4 | CS 74,78 | Intro to Programming and Lab (C++) (science elective) | 3 |
| | Introduction to Earth Science B | 4 | GEOL 051 and 053 | Physical and Environmental Geology and Lab | 4 |
| | Crystallography and Mineralogy | 4 | GEOL 113 | Mineralogy and Crystallography | 4 |
| | Zhoukoudian Geological Teaching and Practice | 5 | GEOL 373 | Field Geology | 3 |
| | Beidaihe Geological Practice/Geological Survey Field Trip | 2 | GEOL 372 | Geological Field Studies | 3 |
| | Geosciences A | 2.5 | | Science and Engineering Elective | 2.5 |
| | Tectonics | 5 | GEOL 381 | Globe Tectonics | 3 |
| | Lithology | 5 | GEOL 130 | Igneous and Metamorphic Petrology | 3 |
| | Paleontology and Geohistory | 4 | GEOL 227 | Systematic Palaeontology | 3 |
| Social Sciences and Humanities | | | | | |
| Social Sciences & Humanities | Essentials of Modern Chinese History* | 2 | | Social Sciences Elective* <small>*Department will substitute for Social Sciences Elective</small> | 3 |
| | Morality Education and Fundamentals of Law* | 3 | | Humanities Elective* <small>*Department will substitute for Humanities Elective</small> | 3 |
| | Principles of Marxism* | 3 | | Social Sciences Elective* <small>*Department will substitute for Social Sciences Elective</small> | 3 |
| | Introduction to Mao-Ze-dong Thoughts and Theoretical System of the Chinese Characteristic Socialism* | 4 | | Social Sciences Elective* <small>*Department will substitute for Social Sciences Elective</small> | 3 |
| Maximum Semester Credit Hours to be Transferred to Missouri S&T Degree | | | | | 69 |
| <p>Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T.</p> <p>Students must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree.</p> <p>Students are not required to complete all courses on this guide before transferring to Missouri S&T.</p> | | | | | |