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| **BACHELOR OF SCIENCE IN GEOSCIENCE WITH AN EMPHASIS IN GEOLOGY**  |  |  |  |  |  |  |
| **REQUIRED CORE COURSES:** |  |  |  |  |  |  |
| Course | Title | Credits | Prerequisites | Offered | Taking When |  |  |  |  |  |  |
| GEO 1110 | INTRO TO EARTH SYSTEMS | 3 | N/A | FALL/SPRING |  |  |  |  |  |  |  |
| GEO 1115 | INTRO TO EARTH SYSTEMS LAB | 1 | N/A | FALL/SPRING |  |  |  |  |  |  |  |
| GEO 3010 | GEOPHYSICS (QI) | 3 | MATH 1220, GEO 3080, PHYS 2220 | SPRING |  |  |  |  |  |  |  |
| GEO 3060 | STRUCTURAL GEOLOGY AND TECTONICS | 3 | GEO 1110, MATH 1060 | FALL/SPRING |  |  |  |  |  |  |  |
| GEO 3080 | EARTH MATERIALS I (QI) | 4 | CHEM 1210 | FALL/SPRING |  |  |  |  |  |  |  |
| GEO 3090 | EARTH MATERIALS II | 3 | GEO 1110, 3080, MATH 1210 | FALL/SPRING |  |  |  |  |  |  |  |
| GEO 4500 | FIELD METHODS (CW) | 3 | GEO 1110, 3060, 3080, 3090, 5760 | SPRING |  |  |  |  |  |  |  |
| GEO 4510GEO 4520 | FIELD GEOLOGY (1st half)FIELD GEOLOGY (2nd half) | 22 | GEO 4500GEO 4500 & 4510 | SUMMER |  |  |  |  |  |  |  |
| GEO 5760 | STRATIGRAPHY AND SEDIMENTARY PROCESSES | 4 | GEO 3090, 3060 | FALL |  |  |  |  |  |  |  |
| **ALLIED SCIENCES COMPLETE 9 COURSES** |  |  |  |  |  |  |
| Course | Title | Credits | Prerequisites | Offered | Taking When |  |  |  |  |  |  |
| CHEM 1210 | GENERAL CHEMISTRY I | 4 | CHEM 1200 OR MATH 1050, 1080, 1210, 1220, 1250, 1260, 1310, 1320 | ALL |  |  |  |  |  |  |  |
| CHEM 1215 | GENERAL CHEMISTRY I LAB | 1 | CHEM 1210 OR 1211 | ALL |  |  |  |  |  |  |  |
| CHEM 1220 | GENERAL CHEMISTRY II | 4 | CHEM 1210 OR 1211 | ALL |  |  |  |  |  |  |  |
| CHEM 1225 | GENERAL CHEMISTRY II LAB | 1 | CHEM 1070 OR 1215, 1240 | ALL |  |  |  |  |  |  |  |
| MATH 1210 | CALCULUS I | 4 | MATH 1050 & 1060 OR MATH 1080 | ALL |  |  |  |  |  |  |  |
| MATH 1220 | CALCULUS II | 4 | MATH 1210 OR 1250, 1270, 1311, 1310 | ALL |  |  |  |  |  |  |  |
| MET E 3070 OR MATH 3070   | STATISTICAL METHODS IN EARTH SCIENCES AN ENGINEERING (3 CREDITS) OR APPLIED STATISTICS (4 CREDITS)  | 3 OR 4 | MATH 1220 OR 1250, 1270, 1311, 1320 | FALL ORALL |  |  |  |  |  |  |  |
| PHYS 2210 | PHYSICS FOR SCIENTISTS AND ENGINEERS I | 4 | MATH 1210 | ALL |  |  |  |  |  |  |  |
| PHYS 2220 | PHYSICS FOR SCIENTISTS AND ENGINEERS II | 4 | PHYS 2210 AND MATH 1220 | ALL |  |  |  |  |  |  |  |
| **EMPHASIS REQUIREMENTS FOR GEOLOGY** |  |  |  |  |  |  |
| Course | Title | Credits | Prerequisites | Offered | Taking When |  |  |  |  |  |  |
| GEO 1220 | EARTH HISTORY | 3 |  GEO 1110, 1115 | SPRING |  |  |  |  |  |  |  |
| **COMPLETE 9 UPPER DIVISION CREDITS: GEO 3XXX, GEO 4XXX, OR GEO 5XXX** |  |  |  |  |  |  |
| Course | Title | Credits | Prerequisites | Offered | Taking When |  |  |  |  |  |  |
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| **COMPLETE 12 DEGREE PROGRAM ELECTIVE CREDIT HOURS: ANY UPPER DIVISION COURSE IN THE COLLEGE OF MINES & EARTH SCIENCES, SCIENCE, OR ENGINEERING, OR OTHER UPPER DIVISION BY APPROVAL** |
| Course | Title | Credits | Prerequisites | Offered | Taking When |  |  |  |  |  |  |
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| ***Note: An additional 7 credits of electives must be completed to reach the university’s minimum 122 credit requirement for a Bachelor’s degree.*****Academic Advisor** |  |  |  |  |  |  |  |  |  |  |
| Michelle Tuitupou |  |  |  |  |  |  |  |  |  |  |
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| **Faculty Advisor** |  |  |  |  |  |  |  |  |  |  |
| Prof. Erich Petersen |  |  |  |  |  |  |  |  |  |  |
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