

GEOSCIENCES (PETROLEUM GEOSCIENCE), B.S.

Requirements for a Concentration in Petroleum Geoscience

| Code | Title | Hours |
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| Concentration Requirements | | |
| Thirteen semester hours from the following: | | |
| GEO 4361 | Petroleum Geoscience Concepts | 3 |
| Select ten semester hours from the following: | | 10 |
| GEO 3319 | Geophysics | |
| GEO 3430 | Petrology | |
| GEO 3435 | Invertebrate Paleontology | |
| GEO 4325 | Economic Mineral Deposits | |
| GEO 4328 | Sedimentary Petrology | |
| GEO 4340 | Geomorphology | |
| GEO 4346 | Hydrogeology | |
| GEO 4457 | Geophysical Exploration I | |
| GEO 4458 | Geophysical Exploration II | |
| GEO 4485 | Introduction to Geographic Information Systems | |
| GEO 4300 | Senior Thesis | |
| or GEO 4302 | Mentored Research Experience | |
| or GEO 4303 | Internship | |
| ENT 3315 | Starting and Managing a Business | |
| Subtotal | | 13 |
| Required Courses in Other Fields | | |
| MTH 1321 | Calculus I | 3 |
| MTH 1322 | Calculus II | 3 |
| or STA 2381 | Introductory Statistical Methods | |
| BUS 2222 | Introduction to Energy Commerce | 2 |
| Fourteen semester hours from the following: | | 14 |
| BIO 1303 | Human Ecology: Our Place in Nature | |
| BIO 1305 & BIO 1105 | Modern Concepts of Bioscience and Modern Concepts of Bioscience Laboratory | |
| BIO 1306 & BIO 1106 | Modern Concepts of Bioscience, continued and Modern Concepts of Bioscience Laboratory | |
| CHE 1301 & CHE 1101 | Basic Principles of Modern Chemistry I and General Chemistry Laboratory I | |
| CHE 1302 & CHE 1102 | Basic Principles of Modern Chemistry II and General Chemistry Laboratory II | |
| PHY 1408 | General Physics for Natural and Behavioral Sciences I | |
| PHY 1409 | General Physics for Natural and Behavioral Sciences II | |
| PHY 1420 | General Physics I | |
| PHY 1430 | General Physics II | |
| No more than four hours from the following: | | |
| ANT 1404 | Introduction to Human Evolution | |
| ANT 1407 | Introduction to Archaeology | |

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| AVS 1313 | Introduction to Meteorology | |
| CSI 1430 | Introduction to Computer Science I with Laboratory | |
| ENV 1301 & ENV 1101 | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) | |
| Total Hours | | 35 |