

GEOSCIENCES (HYDROGEOSCIENCE), B.S.

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| ENV 1301 & ENV 1101 | Exploring Environmental Issues and An Introduction to Environmental Analysis (Lab) |
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Requirements for a Concentration in Hydrogeoscience

| Code | Title | Hours |
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| Concentration Requirements | | |
| Thirteen semester hours from the following: | | |
| GEO 3349 or GEO 4341 or GEO 4346 | Hydrologic Processes Introduction to Hydrology Hydrogeology | 3 |
| GEO 4386 or GEO 4485 | Remote Sensing Introduction to Geographic Information Systems | 3-4 |
| GEO 4345 | Water Management | 3 |
| Select at least three semester hours from the following: | | 3 |
| GEO 4317 | Sedimentary Geochemistry | |
| GEO 4322 | Global Biogeochemical Cycles | |
| GEO 4340 | Geomorphology | |
| GEO 4383 | Climate Change and Society I | |
| GEO 4388 | Earth System Science | |
| GEO 4300 or GEO 4302 or GEO 4303 | Senior Thesis Mentored Research Experience Internship | |
| Required Courses in Other Fields | | |
| MTH 1321 | Calculus I | 3 |
| MTH 1322 or STA 2381 | Calculus II Introductory Statistical Methods | 3 |
| Sixteen semester hours from: | | 16 |
| 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: | | |
| ANT 1404 | Introduction to Human Evolution | |
| ANT 1407 | Introduction to Archaeology | |
| AVS 1313 | Introduction to Meteorology | |
| BUS 2222 | Introduction to Energy Commerce | |
| CSI 1430 | Introduction to Computer Science I with Laboratory | |