

**Colorado State University
Department of Geosciences
Minor in Geology**

Name: _____

CSU ID: _____

Major: _____

The Minor in Geology is open to students in all majors and is designed to provide a brief curriculum in Geosciences to enhance the student's degree program. Students must complete 8 credits of introductory Geology coursework and 13 credits of additional Geology coursework, with a minimum of 12 credits of coursework at the 300-400 level.

Please note that additional pre-requisite courses may be required to complete Geology coursework.

| Required Courses for the Geology Minor | |
|---|---|
| GEOL 120: Exploring Earth: Physical Geology (or GEOL 122 or 124) | _____ 3 credits |
| AND | |
| GEOL 121: Introductory Geology Lab | _____ 1 credit |
| ----- | |
| OR | |
| GEOL 150: Physical Geology for Scientists and Engineers (Fall) | _____ 4 credits |
| GEOL 154: Historical and Analytical Geology (Spring) | _____ 4 credits |
| Must Complete 13 Additional Credits (minimum of 12 credits at 300-400 level) | |
| Course: _____ Credits: _____ | Total Additional Credits (minimum of 13 required): _____ Total Upper Division Credits (minimum of 12 required): _____ |
| Course: _____ Credits: _____ | |
| Course: _____ Credits: _____ | |
| Course: _____ Credits: _____ | |
| Course: _____ Credits: _____ | |

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Suggested Geology Course Groupings

Below are some example course sequences to fulfill minor requirements. Please note these are not required for students to complete the minor and deviations to these suggestions are permitted. Students may select any Geology courses to fulfill minor requirements.

| Group 1 | Group 2 | | | | | | | | | | | | | | | | |
|---|--|--|--|--|---|------------------------|------------------------------|-------------------------|--|--|-----------|---|-----------|--|-----------|-------------------------|-----------|
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">GEOL 232: Mineralogy</td> <td style="width: 20%; text-align: right;">3 credits</td> </tr> <tr> <td>GEOL 344: Stratigraphy and Sedimentology</td> <td style="text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 364: Igneous and Metamorphic Petrology</td> <td style="text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 372: Structural Geology</td> <td style="text-align: right;">4 credits</td> </tr> </table> | GEOL 232: Mineralogy | 3 credits | GEOL 344: Stratigraphy and Sedimentology | 4 credits | GEOL 364: Igneous and Metamorphic Petrology | 4 credits | GEOL 372: Structural Geology | 4 credits | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">GEOL 344: Stratigraphy and Sedimentology</td> <td style="width: 20%; text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 446: Environmental Geology</td> <td style="text-align: right;">3 credits</td> </tr> <tr> <td>GEOL 452: Hydrogeology</td> <td style="text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 454: Geomorphology</td> <td style="text-align: right;">4 credits</td> </tr> </table> | GEOL 344: Stratigraphy and Sedimentology | 4 credits | GEOL 446: Environmental Geology | 3 credits | GEOL 452: Hydrogeology | 4 credits | GEOL 454: Geomorphology | 4 credits |
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| GEOL 344: Stratigraphy and Sedimentology | 4 credits | | | | | | | | | | | | | | | | |
| GEOL 364: Igneous and Metamorphic Petrology | 4 credits | | | | | | | | | | | | | | | | |
| GEOL 372: Structural Geology | 4 credits | | | | | | | | | | | | | | | | |
| GEOL 344: Stratigraphy and Sedimentology | 4 credits | | | | | | | | | | | | | | | | |
| GEOL 446: Environmental Geology | 3 credits | | | | | | | | | | | | | | | | |
| GEOL 452: Hydrogeology | 4 credits | | | | | | | | | | | | | | | | |
| GEOL 454: Geomorphology | 4 credits | | | | | | | | | | | | | | | | |
| <i>Additional Prerequisite courses required for this grouping: CHEM 111, PH 141, MATH 124 and 125</i> | <i>Additional Prerequisite courses required for this grouping: CHEM 111, PH 141, MATH 161 or 255, STAT 301 or 307 or 315</i> | | | | | | | | | | | | | | | | |
| Group 3 | Group 4 | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">GEOL 250: The Solid Earth</td> <td style="width: 20%; text-align: right;">3 credits</td> </tr> <tr> <td>GEOL 344: Stratigraphy and Sedimentology</td> <td style="text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 372: Structural Geology</td> <td style="text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 442: Applied Geophysics</td> <td style="text-align: right;">4 credits</td> </tr> </table> | GEOL 250: The Solid Earth | 3 credits | GEOL 344: Stratigraphy and Sedimentology | 4 credits | GEOL 372: Structural Geology | 4 credits | GEOL 442: Applied Geophysics | 4 credits | <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">GEOL 232: Mineralogy</td> <td style="width: 20%; text-align: right;">3 credits</td> </tr> <tr> <td>GEOL 364: Igneous and Metamorphic Petrology</td> <td style="text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 366: Sedimentary Petrology and Geochemistry</td> <td style="text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 454: Geomorphology</td> <td style="text-align: right;">4 credits</td> </tr> </table> | GEOL 232: Mineralogy | 3 credits | GEOL 364: Igneous and Metamorphic Petrology | 4 credits | GEOL 366: Sedimentary Petrology and Geochemistry | 4 credits | GEOL 454: Geomorphology | 4 credits |
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| GEOL 372: Structural Geology | 4 credits | | | | | | | | | | | | | | | | |
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| GEOL 364: Igneous and Metamorphic Petrology | 4 credits | | | | | | | | | | | | | | | | |
| GEOL 366: Sedimentary Petrology and Geochemistry | 4 credits | | | | | | | | | | | | | | | | |
| GEOL 454: Geomorphology | 4 credits | | | | | | | | | | | | | | | | |
| <i>Additional Prerequisite courses required for this grouping: PH 141 and 142, MATH 124, 125, and 161</i> | <i>Additional Prerequisite courses required for this grouping: CHEM 111 and 113, STAT 301 or 307 or 315, MATH 124</i> | | | | | | | | | | | | | | | | |
| Group 5 | | | | | | | | | | | | | | | | | |
| <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">GEOL 344: Stratigraphy and Sedimentology</td> <td style="width: 20%; text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 401: Geology of the Rocky Mountain Region</td> <td style="text-align: right;">1 credit</td> </tr> <tr> <td>GEOL 452: Hydrogeology</td> <td style="text-align: right;">4 credits</td> </tr> <tr> <td>GEOL 454: Geomorphology</td> <td style="text-align: right;">4 credits</td> </tr> </table> | | GEOL 344: Stratigraphy and Sedimentology | 4 credits | GEOL 401: Geology of the Rocky Mountain Region | 1 credit | GEOL 452: Hydrogeology | 4 credits | GEOL 454: Geomorphology | 4 credits | | | | | | | | |
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| <i>Additional Prerequisite courses required for this grouping: MATH 161 or 255, PH 141, STAT 301 or 307 or 315</i> | | | | | | | | | | | | | | | | | |