Science

Associate of Science—Geosciences
(Pattern of Study)

Student Learning Outcomes
The geosciences pattern of study is for students planning on transferring to a college or university that offers a bachelor's degree in geology or a related field of science. With careful selection of electives for the AS degree, students may also find opportunities for employment as technicians within the mining industry, environmental consulting firms, or some state and federal agencies. To best prepare for transfer of this degree to a bachelor's program, students should first visit with the geosciences faculty advisor at GBC, then work to create a schedule in coordination with the catalog requirements of the college into which the student wishes to transfer. The proper selection of classes will affect the efficiency of how well the degree will transfer, or how well it will assist in obtaining employment.

Upon completion of the program students will earn an AS degree and ability to:

• Describe the fundamental principles of the Geosciences.
• Transfer to a four-year program in the physical or earth sciences or work as a technician in jobs requiring geosciences technicians.

Degree Requirements

<table>
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<tr>
<th>General Education</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Written Communications</td>
<td>3 ENG 100, ENG 101</td>
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<tr>
<td>Oral Communications</td>
<td>3 COM 101, THTR 102, THTR 221</td>
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<tr>
<td>Evidence-Based Communications</td>
<td>3 ENG 102</td>
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<tr>
<td>Fine Arts</td>
<td>3 ART 100, ART 101 (recommended), ART 107, ENG 205, MUS 101, THTR 100, THTR 105, THTR 204</td>
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<tr>
<td>Logical and Scientific Reasoning</td>
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<tr>
<td>Mathematical Reasoning</td>
<td>3 MATH 126 or higher, or STAT 152</td>
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<td>MATH 181 or MATH 182 (preferred)</td>
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<td>Scientific Reasoning—GEOL 101 (required)</td>
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<tr>
<td>Scientific Data Interpretation—CHEM 121 (required)</td>
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Program Electives (Choose with advisor) 9
Recommended electives: BIOL 190, ENV 100, GEOL 201, and GEOG 103.

Note: All students graduating from Nevada institutions of higher education must satisfy the American Constitutions and Institutions requirement. PSC 101 (3 credits) or HIST 101 and HIST 102 (6 credits).
SUGGESTED COURSE SEQUENCE
(Refer to page 87)
AS—Geosciences

FALL—1st Semester  Credits
CHEM  121  4
ENG  100 or 101  3
GEOL  101  4
MATH  126 or 181  3-4
TOTAL  14-15

SPRING—2nd Semester  Credits
CHEM  122  4
ENG  102  3
GEOL  102  4
MATH  127 or 182  3-4
ORAL COMMUNICATIONS  3
TOTAL  17-18

FALL—3rd Semester  Credits
PHYS  151 or 180  4
PROGRAM ELECTIVE **  3-4
HUMANITIES*  3
STRUCTURE OF SOCIETIES*  3
GIS  109  3
TOTAL  16-17

SPRING—4th Semester  Credits
FINE ARTS*  3
PHYS  152 or 181  4
AMERICAN CONSTITUTIONS AND INSTITUTIONS*  3
PROGRAM ELECTIVES**  6-7
TOTAL  16-17

Minimum Credits: 63
*Select from page 81
**Choose with an advisor