

## Earth and Environmental Studies BA Course Prerequisites

| Prefix        | Course Title  | Hours | Semester Offered | Enrollment requirements   |
|---------------|---|-------|------------------|---|
| GLG 108       | Water Planet  | 4     | S                |   |
| GLG 110       | Dangerous World (lecture)                             | 3     | F/S/SS           |   |
| GLG 111       | Dangerous World Laboratory                            | 1     | F/S/SS           |   |
| SES 220       | Biology of a Changing Earth                           | 3     | F                | GLG 108 with C or better OR GLG 110 and GLG 111 with C or better OR SES 121 and SES 123 with C or better  |
| SES 225       | Global Biogeochemical Cycles                          | 3     | S                | BIO 100, BIO 182, BIO 282, or SES 220 with C or better; CHM 101, or both CHM 107 and 108, or CHM 113, or CHM 114 with C or better; GLG 108, or both GLG 110 and 111, or both SES 121 and 123 with C or better                   |
| GLG 305       | Dynamic Earth   | 3     | S                | CHM 101 or higher with C or better; both GLG 101 and 103 with C or better, or both GLG 110 and 111 with C or better, or both SES 121 and 123 with C or better; MAT 170, 210, 251, 265 or 270 with C or better                   |
| GLG 325       | Oceanography  | 3     | F                | Prerequisite(s) w/ C or better: BIO 100, BIO 182, BIO 282, SES 220, SES 225, or both GLG 101 & 103, or both SES 121 & 123; CHM 101, 113, 114, 117, or both CHM 107 & 108; Credit allowed for only BIO 325 or CHM 385 or GLG 325 |
| GLG 327       | Earth's Critical Zone                                 | 3     | F                | Prerequisite(s) with C or better: CHM 101 or higher or PHY 101 or higher; both GLG 101 and 103, or both SES 121 and 123, or SES 225; MAT 170, 171, 210, 251, 265, or 270; Credit is allowed for only GLG 327 or SOS 374         |
| GLG 464       | Solving Environmental Problems                        | 3     | S                | Earth and Environmental Studies BA major; GLG 305 with C or better; GLG 327 with C or better; senior standing   |
| EES electives | Various (must be upper division, 300 level or higher) | 15    | F/S/SS           | View the List of Pre-approved Upper-Division Electives at <a href="https://sese.asu.edu/student-life/forms-resources">https://sese.asu.edu/student-life/forms-resources</a>   |

Codes for offering: F=fall, S=spring, SS=summer session

**Special notes:** This handout is intended as a helpful tool for scheduling planning. Students and advisors should always consult the course catalog for official course information since pre-requisites and course offerings are constantly evolving.

| <b>Related Chemistry requirements (must take at least one from below list)</b>  |   |     |        |  |
|---|---|-----|--------|--|
| CHM 101   | Introductory Chemistry                            | 4   | F/S/SS |  |
| CHM 107 & CHM 108 (lab)   | Chemistry and Society & Chemistry and Society lab | 3/1 | F/S    |  |
| CHM 113   | General Chemistry I                               | 4   | F/S/SS | CHM 101 with C or better or ALEKS score of 61 or higher OR Pre- or corequisite(s): MAT 170, 171, 210, 251, 265 or 270 with C or better if completed  |
| CHM 114   | General Chemistry for Engineers                   | 4   | F/S    | CHM 101 with C or better or ALEKS score of 61 or higher OR Pre- or corequisite(s): MAT 170, 171, 210, 251, 265, or 270 with C or better if completed |
| <b>Related GIS and Statistics requirements (must take GIS 205 and choose at least one from the remaining GIS/STP options)</b> |   |     |        |  |
| GIS 205   | Geographic Information Science I                  | 3   | F/S/SS |  |
| GIS 270   | Statistics for Geography and Planning             | 3   | F/S/SS | MAT 117, 119, 142, 170, 210, 211, 251, 265, or 270 with C or better  |
| STP 226   | Elements of Statistics                            | 3   | F/S/SS | MAT 117 or 142 or other course meeting General Studies MA requirement with C or better or ALEKS score of 61 or higher                                |
| STP 231   | Statistics for Life Science                       | 3   |        | MAT 117 or 142 or higher with C or better or ALEKS score of 61 or higher   |
| <b>Related Math requirements (must take at least one from below list)</b>   |   |     |        |  |
| MAT 170   | Precalculus                                       | 3   | F/S/SS | MAT 117 with C or better or ALEKS score of 61 or higher; Credit is allowed for only MAT 170 or MAT 171   |
| MAT 210   | Brief Calculus                                    | 3   | F/S/SS | MAT 117, 119, 170, or 171 with C or better or ALEKS score of 61 or higher; Credit is allowed for only MAT 210 or MAT 251                             |
| MAT 251   | Calculus for Life Sciences                        | 3   | F/S/SS | MAT 170 or 171 with C or better or ALEKS score of 61 or higher; Credit is allowed only for MAT 210 or MAT 251  |
| MAT 265   | Calculus for Engineers I                          | 3   | F/S/SS | MAT 170 or 171 with C or better or ALEKS score of 76 or higher; Credit is allowed for only MAT 265 or MAT 270  |
| MAT 270   | Calculus w/Analytic Geometry I                    | 4   | F/S/SS | MAT 170 or 171 with C or better or ALEKS score of 76 or higher; Credit is allowed for only MAT 265 or MAT 270  |