

### Universal General Education Transfer Component (UGETC)

| English Composition (6 SCH): Complete BOTH English courses |                         |              |                |                              |              |                                |       |
|--|-------------------------|--------------|----------------|------------------------------|--------------|--------------------------------|-------|
| Prefix   | Course Name             | Credit Hours | Pre-requisites | University Course Equivalent | Credit Hours | Required or Preferred by Major | Notes |
| ENG 111  | Expository Writing      | 3            | None           | RC 1000                      | 3            | Required                       |       |
| ENG 112  | Argument-Based Research | 3            | ENG 111        | RC 2001                      | 3            | Required                       |       |
| <b>Total Credit Hours Required</b>                         |                         | <b>6</b>     |                |                              | <b>6</b>     |                                |       |

| Humanities/Fine Arts (9 SCH): Select 3 classes from at least two different disciplines |                        |              |                     |                              |              |                                |       |
|--|------------------------|--------------|---------------------|------------------------------|--------------|--------------------------------|-------|
| Prefix   | Course Name            | Credit Hours | Pre-requisites      | University Course Equivalent | Credit Hours | Required or Preferred by Major | Notes |
| ART 111  | Art Appreciation       | 3            | None                | ART 2011                     | 3            |                                |       |
| ART 114  | Art History Survey I   | 3            | None                | ART 2030                     | 3            |                                |       |
| ART 115  | Art History Survey II  | 3            | None                | ART 2130                     | 3            |                                |       |
| COM 231  | Public Speaking        | 3            | None                | COM 2105                     | 3            |                                |       |
| ENG 231  | American Literature I  | 3            | ENG 112, 113, 114   | ENG 2350                     | 3            |                                |       |
| ENG 232  | American Literature II | 3            | ENG 112, 113, 114   | ENG 2350                     | 3            |                                |       |
| ENG 241  | British Literature I   | 3            | ENG 112, 113 or 114 | ENG 2050                     | 3            |                                |       |
| ENG 242  | British Literature II  | 3            | ENG 112, 113 or 114 | ENG 2050                     | 3            |                                |       |
| MUS 110  | Music Appreciation     | 3            | None                | MUS 2011                     | 3            |                                |       |
| MUS 112  | Introduction to Jazz   | 3            | None                | MUS 2014                     | 3            |                                |       |
| PHI 215  | Philosophical Issues   | 3            | ENG 111             | PHL Elective                 | 3            |                                |       |
| PHI 240  | Introduction to Ethics | 3            | ENG 111             | PHL 2000                     | 3            |                                |       |
| <b>Total Credit Hours Required</b>   |                        | <b>9</b>     |                     |                              | <b>9</b>     |                                |       |

| Social /Behavioral Science (9 SCH): Select 3 classes from at least two different disciplines |                              |              |                |                              |              |                                |       |
|--|------------------------------|--------------|----------------|------------------------------|--------------|--------------------------------|-------|
| Prefix   | Course Name                  | Credit Hours | Pre-requisites | University Course Equivalent | Credit Hours | Required or Preferred by Major | Notes |
| ECO 251  | Principles of Microeconomics | 3            | None           | ECO 2030                     | 3            |                                |       |
| ECO 252  | Principles of Macroeconomics | 3            | None           | ECO 2040                     | 3            |                                |       |
| HIS 111  | World Civilizations I        | 3            | None           | HIS 1101                     | 3            |                                |       |
| HIS 112  | World Civilizations II       | 3            | None           | HIS 1102                     | 3            |                                |       |
| HIS 131  | American History I           | 3            | None           | HIS 1200                     | 3            |                                |       |
| HIS 132  | American History II          | 3            | None           | HIS 1200                     | 3            |                                |       |
| PSY 150  | General Psychology           | 3            | None           | PSY 1200                     | 3            |                                |       |
| POL 120  | American Government          | 3            | None           | P S 1100                     | 3            |                                |       |
| SOC 210  | Introduction to Sociology    | 3            | None           | SOC 1000                     | 3            |                                |       |
| <b>Total Credit Hours Required</b>   |                              | <b>9</b>     |                |                              | <b>9</b>     |                                |       |

| Mathematics (3-4 SCH): Select 1 course |                       |              |                |                              |              |                                |                    |
|--|-----------------------|--------------|----------------|------------------------------|--------------|--------------------------------|--------------------|
| Prefix                                 | Course Name           | Credit Hours | Pre-requisites | University Course Equivalent | Credit Hours | Required or Preferred by Major | Notes              |
| MAT 143                                | Quantitative Literacy | 3            | None           | GEP MAT                      | 3            |                                |                    |
| MAT 152                                | Statistical Methods I | 4            | None           | STT 2820                     | 4            |                                |                    |
| MAT 171                                | Precalculus Algebra   | 4            | None           | MAT 1020                     | 4            | Required                       | Prereq for MAT 271 |
| <b>Total Credit Hours Required</b>     |                       | <b>4</b>     |                |                              | <b>4</b>     |                                |                    |

| Natural Sciences (4 SCH): Select 1 course |                                 |              |                |                              |              |                                |                   |
|---|---------------------------------|--------------|----------------|------------------------------|--------------|--------------------------------|-------------------|
| Prefix                                    | Course Name                     | Credit Hours | Pre-requisites | University Course Equivalent | Credit Hours | Required or Preferred by Major | Notes             |
| AST 111/111A                              | Descriptive Astronomy I and Lab | 4            | None           | AST 1002                     | 4            | Required                       | Required by major |
| AST 151/151A                              | General Astronomy I and Lab I   | 4            | None           | AST 1001                     | 4            |                                |                   |
| BIO 110                                   | Principles of Biology           | 4            | None           | BIO 1201 & BIO 1204          | 4            |                                |                   |
| BIO 111                                   | General Biology                 | 4            | None           | BIO 1201 & BIO 1204          | 4            |                                |                   |
| CHM 151                                   | General Chemistry I             | 4            | None           | CHE 1101 & CHE 1110          | 4            |                                |                   |
| GEL 111                                   | Introduction Geology            | 4            | None           | GLY 1101                     | 4            |                                |                   |
| PHY 110/110A                              | Conceptual Physics and Lab      | 4            | None           | PHY 1100                     | 4            |                                |                   |
| <b>Total Credit Hours Required</b>        |                                 | <b>4</b>     |                |                              | <b>4</b>     |                                |                   |

|                          |  |           |  |  |           |  |  |
|--------------------------|--|-----------|--|--|-----------|--|--|
| <b>Total UGETC Hours</b> |  | <b>32</b> |  |  | <b>32</b> |  |  |
|--------------------------|--|-----------|--|--|-----------|--|--|

| Additional General Education Courses (13-14 SHC) |                                 |              |                |                              |              |          |                   |
|--|---------------------------------|--------------|----------------|------------------------------|--------------|----------|-------------------|
| Prefix   | Course Name                     | Credit Hours | Pre-requisites | University Course Equivalent | Credit Hours | Category | Notes             |
| AST 152/152A                                     | General Astronomy II and Lab II | 4            | AST 151/151A   | AST 1002                     | 4            | GEC      | Required by major |
| BIO 111  | General Biology I               | 4            |                | BIO 1801                     | 4            | UGETC    | Required by major |
| GEL 111  | Introduction to Geology         | 4            |                | GLY 1101                     | 4            | UGETC    | Required by major |
| MAT 271  | Calculus I                      | 4            | MAT 171        | MAT 1110                     | 4            | UGETC    | Required by major |
|  |                                 | 16           |                |                              | 16           |          |                   |

**Total General Education Hours Required** 48 48

| Other REQUIRED HOURS (15-16 SHC) |                          |              |                |                              |              |                        |                   |
|----------------------------------|--------------------------|--------------|----------------|------------------------------|--------------|------------------------|-------------------|
| Prefix                           | Course Name              | Credit Hours | Pre-requisites | University Course Equivalent | Credit Hours | Category               | Notes             |
| ACA 122                          | College Transfer Success | 1            | None           |                              | 1            | GEC                    | required by CAA   |
| GEL 230                          | Environmental Geology    | 3            | GEL 111        | GLY 1103                     | 3            | GEC                    | Required by major |
| Pre-Major/GEC/Elective           |                          | 3            |                |                              | 3            | Pre-Major/GEC/Elective |                   |
| Pre-Major/GEC/Elective           |                          | 3            |                |                              | 3            | Pre-Major/GEC/Elective |                   |
| Pre-Major/GEC/Elective           |                          | 3            |                |                              | 3            | Pre-Major/GEC/Elective |                   |

**Other Required Hours (15-16 SCH)** 13 13

**Total Semester Credit Hours in Program: 61**

| 3rd - 4th Year Plan: BS, Geology, Earth/Environmental Science Secondary Education |   |       |   |                          |
|---|---|-------|---|--------------------------|
| Semester  | Course  | Hours | Notes   |                          |
| SU  | CI 2300 Teaching and Learning in the Digital Age        | 2     | Required for admission to College of Education              |                          |
| SU  | FDN 2400 Critical Perspectives in Teaching and Learning | 2     | Required for admission to College of Education              |                          |
| SU  | PSY 3010 Psychology Applied to teaching                 | 3     | Required for admission to College of Education              | 7                        |
| 5   | GLY 1103 Environmental Change, Hazards & Resources      | 4     | If taken at community college, take Free Elective           |                          |
| 5   | GLY 3333 or GLY 3220                                    | 4     | Major Requirement   |                          |
| 5   | GLY 2250 Evolution of the Earth                         | 4     | Major Requirement   |                          |
| 5   | SCI Elective  | 4     | Must be a Chemistry or Physics course, see Program of Study | 16                       |
| 6   | GLY 2745 Preparation of Geologic Reports                | 4     | Writing in the Discipline                                   |                          |
| 6   | GLY 1105 Oceanography                                   | 3     | Major Requirement   |                          |
| 6   | GLY 3520 Instructional Asst for GHY 1101                | 1     | Major Requirement   |                          |
| 6   | SCI Elective  | 4     | Must be a Chemistry or Physics course, see Program of Study |                          |
| 6   | SPE 3300 Creating Inclusive Learning Communities        | 3     | Requires admission to College of Education                  | 15                       |
| SU  | SCI Elective  | 4     | Must be a Chemistry or Physics course, see Program of Study | 4                        |
| 7   | GLY 3521 Secondary Science Field Experience             | 1     | Major Requirement   |                          |
| 7   | GS 4403 Teaching Science in Middle and High Schools     | 3     | Major Requirement   |                          |
| 7   | GS 4404 The Meaning and Nature of Science               | 3     | Major Requirement   |                          |
| 7   | GHY 3100 Weather and Climate                            | 3     | Major Requirement   |                          |
| 7   | GLY 3333 or GLY 3220                                    | 3     | Major Requirement   |                          |
| 7   | CI 3400 Policies and Practice in Educational Assessment | 2     | Major Requirement   | 15                       |
| 8   | CI 4900 Student Teaching                                | 12    | Major Requirement   | 12                       |
|   |   |       |   | 69                       |
|   |   |       |   | 61 transfer hours        |
|   |   |       |   | 130 hours for graduation |

- Reading & English proficiencies required.
- Admission to Teacher Education is required. To be admitted to the Teacher Education Program students must take and satisfy testing requirements for Reading, Writing and Math areas of the PRAXIS (PPST or CBT).
- Licensure requires a cumulative 2.7 GPA.
- In order to graduate, Geology majors must take Praxis II subject area Earth/Space Science (#0570) during the senior year.

**Residency Requirements:**

- 31 hours must be from ASU
- 18 hours in the major must be from ASU
- 9 hours in the minor must be from ASU
- Final 30 hours must be courses taken through ASU (includes internships, study abroad taken through ASU)