

### 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 (6 SCH): Select 2 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 or 114 | ENG 2350                     | 3            |                                |       |
| ENG 232  | American Literature II | 3            | ENG 112, 113 or 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>6</b>     |                     |                              | <b>9</b>     |                                |       |

| Social/Behavioral Science (6 SCH): Select 2 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>6</b>     |                |                              | <b>6</b>     |                                |       |

| Mathematics (8 SCH): Select 2 courses |                          |              |                |                              |              |                                |       |
|---------------------------------------|--------------------------|--------------|----------------|------------------------------|--------------|--------------------------------|-------|
| Prefix                                | Course Name              | Credit Hours | Pre-requisites | University Course Equivalent | Credit Hours | Required or Preferred by Major | Notes |
| MAT 171                               | Precalculus Algebra      | 4            | None           | MAT 1020                     | 4            |                                |       |
| MAT 172                               | Precalculus Trigonometry | 4            | MAT 171        | MAT 1025                     | 4            |                                |       |
| MATH 263                              | Brief Calculus           | 4            | MAT 171        | MAT 1030                     | 4            |                                |       |
| MATH 271                              | Calculus I               | 4            | MAT 172        | MAT 1110                     | 4            | Required                       |       |
| MATH 272                              | Calculus II              | 4            | MAT 271        | MAT 1120                     | 4            | Required                       |       |
| <b>Total Credit Hours Required</b>    |                          | <b>8</b>     |                |                              | <b>8</b>     |                                |       |

| Natural Sciences (8 SCH): Select 2 courses |                               |              |                            |                              |              |                                |                                    |
|--|-------------------------------|--------------|----------------------------|------------------------------|--------------|--------------------------------|------------------------------------|
| Prefix                                     | Course Name                   | Credit Hours | Pre-requisites             | University Course Equivalent | Credit Hours | Required or Preferred by Major | Notes                              |
| 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 I             | 4            | None                       | BIO 1201/BIO 1204            | 4            |                                | must take both BIO 111 and BIO 112 |
| BIO 112                                    | General Biology II            | 4            | BIO 111                    | BIO 1202/BIO 1205            | 4            |                                | must take both BIO 111 and BIO 112 |
| CHM 151                                    | General Chemistry I           | 4            | None                       | CHE 1101/CHE 1110            | 4            | Required                       | See Notes                          |
| CHM 152                                    | General Chemistry II          | 4            | CHM 151                    | CHE 1102/CHE 1120            | 4            | Required                       | See Notes                          |
| GEL 111                                    | Introduction Geology          | 4            | None                       | GLY 1101                     | 4            |                                |                                    |
| PHY 110/110A                               | Conceptual Physics and Lab    | 4            | None                       | PHY 1100                     | 4            |                                | must take course with lab          |
| PHY 151                                    | College Physics I             | 4            | MAT 171                    | PHY 1103                     | 4            |                                | must take PHY 151 and PHY 152      |
| PHY 152                                    | College Physics II            | 4            | PHY 151                    | PHY 1104                     | 4            |                                | must take PHY 151 and PHY 152      |
| PHY 251                                    | General Physics I             | 4            | MAT 271                    | PHY 1150                     | 4            | Required                       | See Notes                          |
| PHY 252                                    | General Physics II            | 4            | MAT 272 <i>and</i> PHY 251 | PHY 1151                     | 4            | Required                       | See Notes                          |
| <b>Total Credit Hours Required</b>         |                               | <b>8</b>     |                            |                              | <b>8</b>     |                                |                                    |

**Total UGETC Hours**

34

34

**Additional General Education Courses (13-14 SHC)**

| Prefix                             | Course Name                   | Credit Hours | Pre-requisites | University Course Equivalent | Credit Hours | Category  | Notes              |
|------------------------------------|-------------------------------|--------------|----------------|------------------------------|--------------|-----------|--------------------|
| CHM/PHY not previously taken       |                               | 4            |                |                              | 4            | UGETC     | Required for major |
| GEL 111                            | Introduction to Geology       | 4            |                | GLY 1101                     | 4            | UGETC     | Required for major |
| FL 111                             | Elementary Foreign Language I | 3            |                | FL 1010                      | 3            | GEC       | Required for major |
| UGETC/GEC                          |                               | 3            |                |                              | 3            | UGETC/GEC |                    |
| <b>Total Credit Hours Required</b> |                               | <b>14</b>    |                |                              | <b>14</b>    |           |                    |

**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    |
| CHM/PHY not previously taken |                                | 4            |                |                              | 4            | UGETC                  | Required for major |
| FL 112                       | Elementary Foreign Language II | 3            | FL 111         | FL 1020                      | 3            | GEC                    | Required for major |
| Pre-Major/GEC/Elective       |                                | 3            |                |                              | 3            | Pre-Major/GEC/Elective |                    |
| Pre-Major/GEC/Elective       |                                | 1            |                |                              | 1            | Pre-Major/GEC/Elective |                    |

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

**13**

**13**

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

Major requires two science sequences, Chemistry and Physics. Students should complete one sequence in first 30 hours.

**3rd - 4th Year Plan: BA, Geology**

| Semester | Course  | Hours | Notes                                   |                          |
|----------|---|-------|---|--------------------------|
| 5        | GLY 2250 Evolution of the Earth                       | 4     | Major Requirement                       | 16                       |
| 5        | Foreign Language 1040                                 | 3     | Major Requirement                       |                          |
| 5        | MAT/CS Elective                                       | 3     | Major Requirement                       |                          |
| 5        | Minor Course 1  | 3     | Major Requirement                       |                          |
| 5        | Minor Course 2  | 3     | Major Requirement                       |                          |
| 6        | GLY 2745 Preparation of Geologic Reports              | 4     | Writing in the Discipline               | 16                       |
| 6        | GLY 3715 Petrology & Petrography                      | 3     | Offered Spring only                     |                          |
| 6        | GLY 3800 Sedimentology & Stratigraphy                 | 3     | Major Requirement                       |                          |
| 6        | Foreign Language 1050                                 | 3     | Major Requirement                       |                          |
| 6        | Minor Course 3  | 3     | Major Requirement                       |                          |
| 7        | GLY 3150 Principals of Structural Geology & Tectonics | 3     | Major Requirement                       | 15                       |
| 7        | GLY 3220 Fundamentals of Mineralogy                   | 3     | Offered Fall only                       |                          |
| 7        | GLY Elective 1  | 3     | See Program of Study for course options |                          |
| 7        | Minor Course 4  | 3     | Major Requirement                       |                          |
| 7        | Minor Course 5  | 3     | Major Requirement                       |                          |
| 8        | GLY 4210 Geology Seminar                              | 3     | CAPSTONE                                | 12                       |
| 8        | GLY Elective 2  | 3     | See Program of Study for course options |                          |
| 8        | Minor Course 6  | 3     | Major Requirement                       |                          |
| 8        | Free Elective   | 3     | Major Requirement                       | 6                        |
| SU       | GLY 4835 Summer Field Course                          | 6     | Major Requirement                       | 65                       |
|          |   |       |   | 61 transfer hours        |
|          |   |       |   | 126 hours for graduation |

- In order to graduate, B.A. Geology majors must pass comprehensive senior exams during the last semester.
- Minor outside Geology required for this degree.
- No more than 46 hours in GLY may be counted towards the degree.

Foreign language requirement:

- Student must take the Foreign Language Placement Test to determine starting course for the foreign language sequence.
- If Foreign Language 1010 & 1020 taken for prerequisite purposes, they will count in place of 6 hours of Free Electives (3 hours per course).
- FL 1030 may substitute for FL 1010 & 1020 for some languages; FL 1060 may substitute for FL 1040 & 1050 for some languages.
- Foreign language classes can be taken in summer semesters.

Residency Requirements:

- 31 hours overall 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)