

### Universal General Education Transfer Component (UGETC)

| English Composition (6 SCH)        |                         |              | The following <u>two</u> English composition courses are required. |                              |              |                                |       |
|------------------------------------|-------------------------|--------------|--|------------------------------|--------------|--------------------------------|-------|
| 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)       |                        |              | Students will select <u>two</u> courses 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 2101                     | 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, 114  | ENG 2050                     | 3            |                                |       |
| ENG 242                            | British Literature II  | 3            | ENG 112, 113, 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) |                              |              | Students will select <u>two</u> courses 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            | Required                       |       |
| 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)                |                          |              | Students will select <u>two</u> course from the following: |                              |              |                                |       |
|------------------------------------|--------------------------|--------------|--|------------------------------|--------------|--------------------------------|-------|
| 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  | GEP MAT                      | 4            |                                |       |
| MATH 263                           | Brief Calculus           | 4            | MAT 171  | MAT 1035                     | 4            |                                |       |
| MATH 271                           | Calculus I               | 4            | MAT 172  | MAT 1110                     | 4            | Required                       |       |
| MAT 272                            | Calculus II              | 4            | MAT 271  | MAT 1120                     | 4            |                                |       |
| <b>Total Credit Hours Required</b> |                          | <b>8</b>     |  |                              | <b>8</b>     |                                |       |

| Natural Sciences (8 SCH)           |                               |              | Students will select <u>8 SCH</u> from the following 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                       | must take both CHM 151 and CHM 152 |
| CHM 152                            | General Chemistry II          | 4            | CHM 151   | CHE 1102/CHE 1120            | 4            | Required                       | must take both CHM 151 and CHM 152 |
| 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            |                                | must take PHY 251 and PHY 252      |
| PHY 252                            | General Physics II            | 4            | MAT 272 <u>and</u> PHY 251                                    | PHY 1151                     | 4            |                                | must take PHY 251 and PHY 252      |
| <b>Total Credit Hours Required</b> |                               | <b>8</b>     |   |                              | <b>8</b>     |                                |                                    |



**Additional General Education Courses (11-12 SHC) : These courses must be classified as UGETC or general education within the CAA.**

| Prefix                             | Course Name       | Credit Hours | Pre-requisites | University Course Equivalent | Credit Hours | Category  | Notes              |
|------------------------------------|-------------------|--------------|----------------|------------------------------|--------------|-----------|--------------------|
| PHY 251                            | General Physics I | 4            | MAT 271        | PHY 1150                     | 4            | UGETC     | Required for major |
| UGETC/GEC                          |                   | 3            |                |                              | 3            | UGETC/GEC | Required for major |
| UGETC/GEC                          |                   | 3            |                |                              | 3            | UGETC/GEC |                    |
| UGETC/GEC                          |                   | 3            |                |                              | 3            | UGETC/GEC |                    |
| <b>Total Credit Hours Required</b> |                   | <b>13</b>    |                |                              | <b>13</b>    |           |                    |

**Total General Education Hours Required**

**47**

**47**

**Other REQUIRED HOURS (14-15 SHC): These courses must be classified as pre-major, elective or general education within the CAA.**

| 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    |
| PHY 252                | General Physics II                 | 4            | MAT 272 & PHY 251 | PHY 1151                     | 4            | UGETC                  | Required for major |
| ACC 120                | Principals of Financial Accounting | 3            |                   | ACC 2100                     | 3            | Pre-Major              | Required for major |
| 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)**

**14**

**14**

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

- Degree requires both Physics and Chemistry sequences and will serve as prerequisites for future coursework.

**3rd - 4th Year Plan: BS, Chemistry, Marketing & Business**

| Semester | Course                                     | Hours | Notes  |                          |
|----------|--|-------|--|--------------------------|
| 5        | CHE 2201 & 2203 Organic Chemistry I        | 4     | Major Requirement  | 14                       |
| 5        | CHE 2210 & 2211 Quantitative Analysis      | 4     | Major Requirement  |                          |
| 5        | MKT 3050 Principals of Marketing           | 3     | Major Requirement  |                          |
| 5        | Free Elective                              | 3     |  |                          |
| 6        | CHE 2202 & 2204 Organic Chemistry II       | 3     | Major Requirement  | 12                       |
| 6        | CHE 3000 Introduction to Chemical Research | 1     | Major Requirement  |                          |
| 6        | MKT 3220 Sales Management                  | 1     | Major Requirement  |                          |
| 6        | MKT Elective Course 1                      | 3     | Major Requirement  |                          |
| 6        | CHE Elective at or above 3000 level        | 3     | Major Requirement  |                          |
| 6        | Free Elective                              | 1     |  |                          |
| 7        | CHE 3301 & 3303 Physical Chemistry         | 4     | Offered fall semester only - Writing in the Discipline       | 14                       |
| 7        | CHE 3404 Inorganic Chemistry               | 3     | Offered fall semester only                                   |                          |
| 7        | CHE 4000 CAPSTONE                          | 1     | Major Requirement  |                          |
| 7        | MKT Elective Course 2                      | 3     | Major Requirement  |                          |
| 7        | Other Science Course 1                     | 3     | AST, BIO, GLY, OR PHY, Except 1000-level Physics or PHY 3350 |                          |
| 8        | Other Science Course 2                     | 3     | AST, BIO, GLY, OR PHY, Except 1000-level Physics or PHY 3350 |                          |
| 8        | Other Science Course 3                     | 3     | AST, BIO, GLY, OR PHY, Except 1000-level Physics or PHY 3350 |                          |
| 8        | MKT Elective Course 3                      | 3     | Major Requirement  | 12                       |
| 8        | Free Elective                              | 3     |  |                          |
|          |  |       |  | 52                       |
|          |  |       |  | 61 transfer hours        |
|          |  |       |  | 123 hours for graduation |

**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)