

### 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, 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): 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 1035                     | 4            |                                |       |
| MATH 271                              | Calculus I               | 4            | MAT 172        | MAT 1110                     | 4            | Required                       |       |
| MAT 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                       | 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 and 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 (13-14 SHC)

| 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 |
| BIO 111                            | General Biology I | 4            |                | BIO 1801                     | 4            | UGETC     | Required for major |
| UGETC/GEC                          |                   | 4            |                |                              | 4            | UGETC/GEC |                    |
| <b>Total Credit Hours Required</b> |                   | 12           |                |                              | 12           |           |                    |

**Total General Education Hours Required** 46 46

### 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    |
| PHY 252                                 | General Physics II       | 4            | MAT 272 & PHY 251 | PHY 1151                     | 4            | UGETC                  | Required for major |
| MAT 152                                 | Statistics               | 4            |                   | STT 2820                     | 4            | UGETC                  | Required for major |
| Pre-Major/GEC/Elective                  |                          | 3            |                   |                              | 3            | Pre-Major/GEC/Elective |                    |
| Pre-Major/GEC/Elective                  |                          | 3            |                   |                              | 3            | Pre-Major/GEC/Elective |                    |
| <b>Other Required Hours (15-16 SCH)</b> |                          | 15           |                   |                              | 15           |                        |                    |

**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, Forensic Science

| 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        | CHE 2400 Introduction to Forensic Science & Criminalistics | 3     | Offered fall semester only                             |                          |
| 5        | Free Elective  | 3     |  |                          |
| 6        | CHE 2202 & 2204 Organic Chemistry II                       | 4     | Major Requirement                                      | 15                       |
| 6        | BIO 3800 Molecular Biology                                 | 4     | Major Requirement                                      |                          |
| 6        | CJ 3050 OR 3551  | 3     | CJ 3050 offered spring semester only                   |                          |
| 6        | CHE 3000 Intro to Chemical Research                        | 1     | Major Requirement                                      |                          |
| 6        | CHE 4630 Forensic Toxicology                               | 3     | Offered spring semester only                           | 16                       |
| 7        | CHE 3301 & 3303 Physical Chemistry I                       | 4     | Offered fall semester only - Writing in the Discipline |                          |
| 7        | CHE 3404 Inorganic Chemistry                               | 3     | Offered fall semester only                             |                          |
| 7        | CHE 4580 & 4581 Biochemistry                               | 4     | Major Requirement                                      |                          |
| 7        | CHE 4640 Analytical Methods in Forensic Chemistry          | 4     | Offered fall semester only                             | 16                       |
| 7        | Free Elective  | 1     |  |                          |
| 8        | CHE 3560 & 3561 Instrumental Methods of Analysis           | 4     | Offered spring semester only                           |                          |
| 8        | CJ 3405 Forensic Investigation                             | 3     | Offered Spring semester only                           |                          |
| 8        | CHE 4000 OR 4900   | 1     | CAPSTONE   | 16                       |
| 8        | CHE 4800 Forensic Microscopy                               | 4     | Offered spring semester only                           |                          |
| 8        | Free Elective  | 3     | Take enough electives to reach 122 hours               |                          |
|          |  |       |  | 61                       |
|          |  |       |  | 61 transfer hours        |
|          |  |       |  | 122 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)