

**Critical Requirements:** Students who follow the 2008-2009 catalog year and are entering ASU as either a first-time freshman or transfer from any Arizona public university or Arizona community college must complete critical requirements.

Completed ATP:  Yes  No      Completed AGEC:  Yes  No

| Course Subject and Title<br>(courses in <b>bold/shading</b> are critical)  | Hrs. | Upper Division                      | Transfer Course/Grade | Minimum Grade if Required | Additional Critical Requirement Notes   |
|--|------|-------------------------------------|-----------------------|---------------------------|---|
| <b>TERM ONE: 0-15 CREDIT HOURS</b>   |      |                                     |                       |                           |   |
| <b>ASU 101: The ASU Experience</b>   | 1    | <input type="checkbox"/>            |                       |                           | <ul style="list-style-type: none"> <li>ASU 101 is for ASU freshman students only Not required of transfer students</li> <li>An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses</li> <li>ASU Math Placement Exam score determines placement in Mathematics course</li> <li>Complete all critical courses for major by the end of semester 6.</li> <li>Minimum <i>cumulative</i> 2.60 GPA in all critical courses</li> <li>Minimum grade of C required in all MAT classes; grade of B or better strongly correlated with timely graduation</li> <li>Consult academic advisor for Learning Community, Campus Match and First Year Seminar options</li> </ul> |
| <b>AML 100: Intro to Applied Math for the Life and Social Sciences</b>   | 3    | <input type="checkbox"/>            |                       | Grade of C                |   |
| ENG 101 and 102: First-Year Composition OR<br>ENG 107 and 108: English for Foreign Students OR<br>ENG 105: Advanced First-Year Composition | 3    | <input type="checkbox"/>            |                       | Grade of C                |   |
| <b>MAT 270: Calculus with Analytic Geometry I (MA)</b>   | 4    | <input type="checkbox"/>            |                       | Grade of C                |   |
| BIO 187: General Biology I (SQ) (needed for upper-division life sciences)  | 4    | <input type="checkbox"/>            |                       |                           |   |
| <b>TERM TWO: 16-30 CREDIT HOURS</b>  |      |                                     |                       |                           |   |
| <b>CSE 100: Principles of Programming with C++ OR<br/>CSE 110: Principles of Programming with Java (CS)</b>                                | 3    | <input type="checkbox"/>            |                       | Grade of C                | <ul style="list-style-type: none"> <li>Minimum <i>cumulative</i> 2.60 GPA in all critical courses</li> <li>Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation</li> <li>Students should take SOC 101, ASB 102, PSY 101, POS 101, or any other intro Social Science Course to be able to take upper-division electives in the Social Science track.</li> <li>BIO 187/188 (SQ) needed to take upper-division Life Science Courses</li> </ul>  |
| ENG 101 and 102: First-Year Composition OR<br>ENG 107 and 108: English for Foreign Students OR<br>ENG 105: Advanced First-Year Composition | 3    | <input type="checkbox"/>            |                       | Grade of C                |   |
| <b>MAT 271: Calculus with Analytic Geometry II</b>   | 4    | <input type="checkbox"/>            |                       | Grade of C                |   |
| Social & Behavioral Science AND Cultural Diversity in the US (C),<br>Global Awareness (G) OR Historical Awareness (H)                      | 3    | <input type="checkbox"/>            |                       |                           |   |
| BIO 188: General Biology II (SQ) (needed for upper-division life sciences)   | 4    | <input type="checkbox"/>            |                       |                           |   |
| <b>TERM THREE: 31-45 CREDIT HOURS</b>  |      |                                     |                       |                           |   |
| <b>MAT 272: Calculus with Analytic Geometry III</b>  | 4    | <input type="checkbox"/>            |                       | Grade of C                | <ul style="list-style-type: none"> <li>First year composition completed</li> <li>Complete all critical courses for major by the end of semester 6</li> <li>Minimum <i>cumulative</i> 2.60 GPA in all critical courses</li> <li>Minimum grade of C required in all MAT classes; grade of B or better strongly correlated with timely graduation</li> <li>Students <b>MUST</b> take at least 1 course each of Statistics, and Probability. <i>Students in the Applied Math track must take the 400 level courses.</i></li> </ul>  |
| <b>AML 253: Modeling in the Life and Social Sciences</b>   | 3    | <input type="checkbox"/>            |                       | Grade of C                |   |
| Literacy and Critical Inquiry (L)  | 3    | <input type="checkbox"/>            |                       |                           |   |
| Humanities, Fine Arts & Design (HU) AND Cultural Diversity in the US (C), Global Awareness (G) OR Historical Awareness (H)                 | 3    | <input type="checkbox"/>            |                       |                           |   |
| Stats. (STP 226, STP 231, STP 420), or Prob. (STP 326, STP 421)  | 3    | <input type="checkbox"/>            |                       |                           |   |
| <b>TERM FOUR: 46-60 CREDIT HOURS</b>   |      |                                     |                       |                           |   |
| <b>MAT 274: Elementary Diff. Eq. or MAT 275: Modern Diff. Eq.</b>  | 3    | <input checked="" type="checkbox"/> |                       | Grade of C+               | <ul style="list-style-type: none"> <li>Complete all critical courses for major by the end of semester 6</li> <li>Minimum <i>cumulative</i> 2.60 GPA in all critical courses</li> <li>Minimum grade of C required in all MAT classes; grade of B or better strongly correlated with timely graduation</li> <li>Students <b>MUST</b> take at least 2 UD electives in each of the following tracks: Life Sciences, Social Sciences, and Applied Math</li> </ul>  |
| <b>UD Elective from Life Science, Social Science, or Applied Math Track</b>  | 3    | <input checked="" type="checkbox"/> |                       | Grade of C                |   |
| <b>UD Elective from Life Science, Social Science, or Applied Math Track</b>  | 3    | <input checked="" type="checkbox"/> |                       | Grade of C                |   |
| Social & Behavioral Science (SB)   | 3    | <input type="checkbox"/>            |                       |                           |   |
| Stats. (STP 226, STP 231, STP 420), or Prob. (STP 326, STP 421)  | 3    | <input type="checkbox"/>            |                       |                           |   |
| <b>TERM FIVE: 61-75 CREDIT HOURS</b>   |      |                                     |                       |                           |   |
| <b>MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra</b>  | 3    | <input type="checkbox"/>            |                       | Grade of C                | <ul style="list-style-type: none"> <li>Complete all critical courses for major by the end of semester 6</li> <li>Minimum <i>cumulative</i> 2.60 GPA in all critical courses</li> <li>Minimum grade of C required in all MAT classes; grade of B or better strongly correlated with timely graduation</li> </ul>   |
| <b>AML 406: Directed Reading and Research for AMLSS</b>  | 3    | <input checked="" type="checkbox"/> |                       | Grade of C                |   |
| <b>UD Elective from Life Science, Social Science, or Applied Math Track</b>  | 3    | <input checked="" type="checkbox"/> |                       | Grade of C                |   |
| <b>UD Elective from Life Science, Social Science, or Applied Math Track</b>  | 3    | <input checked="" type="checkbox"/> |                       |                           |   |
| Humanities, Fine Arts & Design (HU)  | 3    | <input type="checkbox"/>            |                       |                           |   |
| <b>TERM SIX: 76-90 CREDIT HOURS</b>  |      |                                     |                       |                           |   |
| <b>UD Elective from Life Science, Social Science, or Applied Math Track</b>  | 3    | <input checked="" type="checkbox"/> |                       | Grade of C                | <ul style="list-style-type: none"> <li>Complete all critical courses for major by the end of semester 6</li> </ul>  |
| <b>UD Elective from Life Science, Social Science, or Applied Math Track</b>  | 3    | <input checked="" type="checkbox"/> |                       | Grade of C                |   |
| General Elective (Cultural Diversity in the US (C), Global Awareness (G) OR Historical Awareness (H))                                      | 3    | <input type="checkbox"/>            |                       | Grade of C                |   |
| Upper division CLAS Science and Society  | 3    | <input checked="" type="checkbox"/> |                       |                           |   |
| Upper division Humanities, Fine Arts & Design (HU) OR<br>Social & Behavioral Science (SB)  | 3    | <input checked="" type="checkbox"/> |                       |                           |   |

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| <b>TERM SEVEN: 91-105 CREDIT HOURS</b>           |   |                                     |  |            |  |
|--|---|-------------------------------------|--|------------|--|
| UD Elective in Chosen Track                      | 3 | <input checked="" type="checkbox"/> |  | Grade of C |  |
| Upper division CLAS Science and Society          | 3 | <input checked="" type="checkbox"/> |  | Grade of C |  |
| Upper division Literacy and Critical Inquiry (L) | 3 | <input checked="" type="checkbox"/> |  |            |  |
| Upper division elective                          | 3 | <input checked="" type="checkbox"/> |  |            |  |
| General Elective                                 | 3 | <input type="checkbox"/>            |  |            |  |
| <b>TERM EIGHT: 106-120 CREDIT HOURS</b>          |   |                                     |  |            |  |
| UD Elective in Chosen Track                      | 3 | <input checked="" type="checkbox"/> |  | Grade of C |  |
| General Elective                                 | 3 | <input type="checkbox"/>            |  |            |  |
| General Elective                                 | 3 | <input type="checkbox"/>            |  |            |  |
| General Elective                                 | 3 | <input type="checkbox"/>            |  |            |  |

**Graduation Requirements Summary:**

| Total Hours (120 minimum) | Total Hrs at ASU (30 minimum) | Hrs Resident Credit for Academic Recognition (56 minimum) | Major GPA (2.000 Min.) | Total UD Hrs (45 minimum) | Total Comm. College Hrs. (64 maximum) |
|---------------------------|-------------------------------|---|------------------------|---------------------------|---------------------------------------|
|                           |                               |   |                        |                           |                                       |

**General University Requirements: Legend**

- General Studies Core Requirements:
  - Literacy and Critical Inquiry (L)
  - Mathematical Studies (MA)
  - Computer/Statistics/Quantitative applications (CS)
  - Humanities, Fine Arts, and Design (HU)
  - Social and Behavioral Sciences (SB)
  - Natural Science-Quantitative (SQ)
  - Natural Science-General (SG)
- General Studies Awareness Requirements
  - Cultural Diversity in the US (C)
  - Global Awareness (G)
  - Historical Awareness (H)
- First Year Composition

**Additional Notes:**