

Course Subject and Title <i>(courses in bold/shading are critical)</i>	Hrs.	Upper Division	Completed ATP: <input type="checkbox"/> Yes <input type="checkbox"/> No		Completed AGEC: <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Transfer Course/Grade	Minimum Grade if Required	Additional Critical Requirement Notes	
<b>TERM ONE: 0-15 CREDIT HOURS</b>						
BIO 187: General Biology I OR BIO 188: General Biology II OR Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C in BIO 187 or 188	<ul style="list-style-type: none"> <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>All critical courses must be completed by the end of semester 4</li> <li>Maintain 2.0 GPA in all critical courses, major courses, and related fields</li> <li>BIO 187 and 188 to be completed within first three semesters</li> <li>MAT 251 or equivalent to be completed by end of term 2</li> <li>Consult an academic advisor for Learning Community, Academic Success Clusters and First Year Seminar options</li> </ul>	
<b>CHM 113: General Chemistry I</b>	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
MAT 251: Calculus for Life Sciences (MA)	3	<input type="checkbox"/>		Grade of C		
<b>TERM TWO: 16-30 CREDIT HOURS</b>						
BIO 187: General Biology I OR BIO 188: General Biology II	4	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>All critical courses must be completed by the end of semester 4</li> <li>Maintain 2.0 GPA in all critical courses, major courses, and related fields</li> <li>BIO 187 and 188 to be completed within first three semesters</li> <li>MAT 251 or equivalent to be completed by end of term 2</li> </ul>	
<b>CHM 116: General Chemistry II</b>	4	<input type="checkbox"/>		Grade of C		
ENG 101 and 102: First-Year Composition OR ENG 107 and 108: English for Foreign Students OR ENG 105: Advanced First-Year Composition	3	<input type="checkbox"/>		Grade of C		
Humanities, Fine Arts & Design (HU) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>				
<b>TERM THREE: 31-45 CREDIT HOURS</b>						
BIO 187: General Biology I OR BIO 188: General Biology II OR, if BIO 187 & 188 completed take Social & Behavioral Science (SB) and Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	4 or 3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>All critical courses must be completed by the end of semester 4</li> <li>BIO 187 and must be completed</li> <li>First year composition must be completed</li> <li>Maintain 2.0 GPA in all critical courses, major courses, and related fields</li> </ul>	
<b>CHM 231 Elem Organic Chemistry &amp; CHM 235 Laboratory OR CHM 233 Gen Organic Chemistry I &amp; CHM 237 Laboratory</b>	3/1	<input type="checkbox"/>		Grade of C		
CLAS Science and Society	3	<input type="checkbox"/>		Grade of C		
Elective	3	<input type="checkbox"/>				
<b>TERM FOUR: 46-60 CREDIT HOURS</b>						
BIO 353: Cell Biology	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>All critical courses must be completed by the end of semester 4</li> <li>Maintain 2.0 GPA in all critical courses, major courses, and related fields</li> </ul>	
STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	<input type="checkbox"/>		Grade of C		
CHM 234 Gen Organic Chemistry II & CHM 238 Laboratory OR if CHM 231/235 completed, take Elective	4 or 3	<input checked="" type="checkbox"/>		Grade of C in CHM 234 & 238		
Humanities, Fine Arts & Design (HU)	3	<input type="checkbox"/>				
Literacy and Critical Inquiry (L)	3	<input type="checkbox"/>				
<b>TERM FIVE: 61-75 CREDIT HOURS</b>						
BIO 351: Developmental Anatomy	3	<input checked="" type="checkbox"/>		Grade of C		
<i>Complete one course from:</i> BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
PHY 101: Introduction to Physics OR PHY 111: General Physics & PHY 113: Laboratory	4 or 3/1	<input type="checkbox"/>		Grade of C		
Upper division CLAS Science and Society	3	<input checked="" type="checkbox"/>		Grade of C		
Upper division elective	3	<input checked="" type="checkbox"/>				
<b>TERM SIX: 76-90 CREDIT HOURS</b>						
<i>Complete one additional course from:</i> BIO 340: General Genetics (4 hrs) OR BIO 345: Organic Evolution (3 hrs)	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
<i>Complete one course from:</i> BIO 446: Principles of Human Genetics (3) (L) MBB/PLB 350: Applied Genetics (4) MBB 343: Genetic Engineering & Society (4)	3 or 4	<input checked="" type="checkbox"/>		Grade of C		
PHY 112: General Physics/Laboratory & PHY 114: Laboratory OR, if PHY 101 completed, take Elective	4 or 3	<input type="checkbox"/>		Grade of C in PHY 112 & 114		
Upper division Humanities, Fine Arts & Design (HU) or Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>				
Elective	3	<input type="checkbox"/>				

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<b>TERM SEVEN: 91-105 CREDIT HOURS</b>					
<i>Complete one course from:</i>					
BIO 456: Bioinformatics & Molecular Evolution	3	<input checked="" type="checkbox"/>		Grade of C	
BIO 455: Intro to Comparative Genomics	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division Literacy and Critical Inquiry (L)	3	<input checked="" type="checkbox"/>			
Elective	3	<input type="checkbox"/>			
<b>TERM EIGHT: 106-120 CREDIT HOURS</b>					
BIO 495: Undergraduate Thesis	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	3	<input checked="" type="checkbox"/>		Grade of C	
Upper division Major Elective	2	<input checked="" type="checkbox"/>		Grade of C	
Upper division elective	3	<input checked="" type="checkbox"/>			
Upper division elective	3	<input checked="" 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:**

- Humanities, Literacy and Critical Inquiry, Social Behavioral Sciences, and Science and Society courses are interchangeable in sequencing