

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>					
ASU 101-FSE: The ASU Experience	1	<input type="checkbox"/>			<ul style="list-style-type: none"> <li>• <b>Complete BMI 101 with a minimum grade of "B-"</b></li> <li>• ASU 101-FSE should be completed first semester.</li> <li>• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses</li> <li>**If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor.</li> <li>@ Designates Lower Division Major Course: A minimum cumulative GPA of 3.0 required in lower division major courses</li> </ul>
<b>@BMI 101: Introduction to Bioinformatics</b>	3	<input type="checkbox"/>		Grade of B-	
CHM 113: General Chemistry I (SQ)	4	<input type="checkbox"/>			
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition** OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	
Social & Behavioral Science (SB)	3	<input type="checkbox"/>			
<b>TERM TWO: 16-30 CREDIT HOURS</b>					
ENG 101 or 102: First-Year Composition OR ENG 105: Advanced First-Year Composition** OR ENG 107 or 108: English for Foreign Students	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>• <b>Complete CSE 110, BIO 188 and BMI 102 each with a minimum grade of "B-"</b></li> <li>@ Designates Lower Division Major Course: A minimum cumulative GPA of 3.0 required in lower division major courses</li> </ul>
<b>@BMI 102: Introduction to Public Health/Imaging Informatics</b>	3	<input type="checkbox"/>		Grade of B-	
<b>BIO 188: General Biology II (SQ)</b>	4	<input type="checkbox"/>		Grade of B-	
<b>CSE 110: Principles of Programming with Java (CS)</b>	3	<input type="checkbox"/>		Grade of B-	
CPI 200: Mathematical Foundations of Informatics (MA)	3	<input type="checkbox"/>			
<b>TERM THREE: 31-45 CREDIT HOURS</b>					
STP 226: Elements of Statistics	3	<input type="checkbox"/>			<ul style="list-style-type: none"> <li>• <b>Complete CSE 205, BIO 187, and BMI 201 each with a minimum grade of "B-"</b></li> <li>• <b>Complete First-Year Composition Requirement: ENG 101 &amp; 102 or ENG 107 &amp; 108 or ENG 105.</b></li> <li>@ Designates Lower Division Major Course: A minimum cumulative GPA of 3.0 required in lower division major courses</li> </ul>
<b>BIO 187: General Biology I (SG)</b>	4	<input type="checkbox"/>		Grade of B-	
<b>@BMI 201: Introduction to Clinical Informatics</b>	3	<input type="checkbox"/>		Grade of B-	
<b>CSE 205: Object Oriented Programming and Data Structures</b>	3	<input type="checkbox"/>		Grade of B-	
HSM 220: Health Care Organizations (H)	3	<input type="checkbox"/>			
<b>TERM FOUR: 46-60 CREDIT HOURS</b>					
<b>BIO 340: General Genetics</b>	4	<input checked="" type="checkbox"/>		Grade of B-	<ul style="list-style-type: none"> <li>• <b>Complete CSE 240, BIO 340, BMI 211 and BMI 221 each with a minimum grade of "B-"</b></li> <li>@ Designates Lower Division Major Course: A minimum cumulative GPA of 3.0 required in lower division major courses</li> </ul>
<b>@BMI 211: Modeling Biomedical Decisions</b>	3	<input type="checkbox"/>		Grade of B-	
<b>@BMI 221: Knowledge Representation for Biomedical Informatics</b>	3	<input type="checkbox"/>		Grade of B-	
<b>CSE 240: Introduction to Programming Languages</b>	3	<input type="checkbox"/>		Grade of B-	
Social & Behavioral Science (SB) AND Cultural Diversity in the US (C) OR Global Awareness (G)	3	<input type="checkbox"/>			
<b>TERM FIVE: 61-75 CREDIT HOURS</b>					
<b>#BMI 301: Clinical Environments</b>	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Upper Division Major Course: A minimum cumulative GPA of 2.0 required in upper division major courses
<b>#BMI 311: Modeling Biomedical Knowledge</b>	3	<input checked="" type="checkbox"/>		Grade of C	
<b>#BMI 332: Team Dynamics for Healthcare IT Projects</b>	3	<input checked="" type="checkbox"/>		Grade of C	
<b>CSE 310: Data Structures and Algorithms</b>	3	<input checked="" type="checkbox"/>		Grade of C	
<b>Humanities, Fine Arts &amp; Design (HU)</b>	3	<input type="checkbox"/>			
<b>TERM SIX: 76-90 CREDIT HOURS</b>					
<b>#BMI 330: Topics in Translational Bioinformatics</b>	3	<input checked="" type="checkbox"/>		Grade of C	# Designates Upper Division Major Course: A minimum cumulative GPA of 2.0 required in upper division major courses
<b>#BMI 312: Modeling Biomedical Data</b>	3	<input checked="" type="checkbox"/>		Grade of C	
<b>CSE 360: Introduction to Software Engineering</b>	3	<input checked="" type="checkbox"/>		Grade of C	
<b>CSE 412: Database Management</b>	3	<input checked="" type="checkbox"/>		Grade of C	
<b>Humanities, Fine Arts &amp; Design (HU) AND Cultural Diversity in the US (C) OR Global Awareness (G)</b>	3	<input type="checkbox"/>			
<b>TERM SEVEN: 91-105 CREDIT HOURS</b>					
<b>#BMI 461: Advanced Topics in Biomedical Informatics I</b>	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>• See Advisor for approved list of BMI Technical Electives</li> <li># Designates Upper Division Major Course: A minimum cumulative GPA of 2.0 required in upper division major courses</li> </ul>
<b>#BMI 482: Capstone I (proposed Literacy)</b>	3	<input checked="" type="checkbox"/>		Grade of C	
<b>BMI 484: Internship</b>	3	<input checked="" type="checkbox"/>			
<b>#Technical Elective</b>	3	<input type="checkbox"/>		Grade of C	
<b>UD Humanities, Fine Arts &amp; Design (HU) OR Social &amp; Behavioral Science (SB)</b>	3	<input checked="" type="checkbox"/>			
<b>TERM EIGHT: 106-120 CREDIT HOURS</b>					
<b>#BMI 462: Advanced Topics in Biomedical Informatics II</b>	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>• See Advisor for approved list of BMI Technical Electives</li> <li># Designates Upper Division Major Course: A minimum cumulative GPA of 2.0 required in upper division major courses</li> </ul>
<b>#BMI 483: Capstone II (proposed Literacy)</b>	3	<input checked="" type="checkbox"/>		Grade of C	
<b>#Technical Elective</b>	1	<input type="checkbox"/>		Grade of C	
<b>#Technical Elective</b>	3	<input type="checkbox"/>		Grade of C	
<b>#Technical Elective</b>	3	<input type="checkbox"/>		Grade of C	

**Graduation Requirements Summary:**

Total Hours Regular Curriculum (120)	Total Hrs at ASU (30 min)	Hrs Resident Credit for Academic Recognition (56 min)	Major GPA (2.000 Min. CUM GPA )	Total UD Hrs (45 min)	Total Comm. College Hrs. (64 Max)

**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:**