

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 AGECS: <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>Complete CSE 100 or 110, 101; MAT 265 each with a minimum grade of "C"</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>ASU Math Placement Exam score determines placement in Mathematics course</li> </ul> **If ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor. # Designates Major Course: A minimum cumulative GPA of 2.0 required.
# CSE 100: Principles of Programming with C++ (CS) OR # CSE 110: Principles of Programming with Java (CS)	3	<input type="checkbox"/>		Grade of C	
# CSE 101: Introduction to Computer Science & Engineering	2	<input type="checkbox"/>		Grade of C	
<b>MAT 265: Calculus for Engineers I (MA)</b>	3	<input type="checkbox"/>		Grade of C	
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) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
<b>TERM TWO: 16-30 CREDIT HOURS</b>					
# CSE 120: Digital Design Fundamentals	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>Complete CSE 120, 205; MAT 266 each with a minimum grade of "C"</li> </ul> # Designates Major Course: A minimum cumulative GPA of 2.0 required.
# CSE 205: Object-Oriented Programming & Data Structures (CS)	3	<input type="checkbox"/>		Grade of C	
<b>MAT 266: Calculus for Engineers II</b>	3	<input type="checkbox"/>		Grade of C	
BIO 187: General Biology I (SQ) OR BIO 188: General Biology Laboratory II (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	
<b>TERM THREE: 31-45 CREDIT HOURS</b>					
# CSE 230: Computer Organization and Assembly Language Programming	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>Complete CSE 230; MAT 243, 267 each with a minimum grade of "C"</li> <li>Complete First-Year Composition requirement: ENG 101 &amp; 102 or ENG 107 &amp; 108 or ENG 105</li> </ul> # Designates Major Course: A minimum cumulative GPA of 2.0 required.
<b>MAT 243: Discrete Mathematical Structures</b>	3	<input type="checkbox"/>		Grade of C	
<b>MAT 267: Calculus for Engineers III</b>	3	<input type="checkbox"/>		Grade of C	
PHY 121/122: University Physics I/Laboratory I (SQ)	3/1	<input type="checkbox"/>			
<b>TERM FOUR: 46-60 CREDIT HOURS</b>					
# CSE 220: Programming for Computer Engineering	3	<input type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>Complete CSE 220 with a minimum grade of "C"</li> </ul> # Designates Major Course: A minimum cumulative GPA of 2.0 required.
MAT 275: Modern Differential Equations	3	<input type="checkbox"/>			
PHY 131/132: University Physics II Electricity and Magnetism/Laboratory II (SQ)	3/1	<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"/>			
Social & Behavioral Science (SB) AND Cultural Diversity in the US (C), Global Awareness (G) or Historical Awareness (H)	3	<input type="checkbox"/>			
<b>TERM FIVE: 61-75 CREDIT HOURS</b>					
# EEE 202: Circuits I	4	<input type="checkbox"/>			# Designates Major Course: A minimum cumulative GPA of 2.0 required.
# IEE 380: Probability and Statistics for Engineering Problem Solving	3	<input checked="" type="checkbox"/>			
# CSE 301: Computing Ethics	1	<input checked="" type="checkbox"/>		Grade of C	
# CSE 310: Data Structures and Algorithms	3	<input checked="" type="checkbox"/>		Grade of C	
# CSE 360: Introduction to Software Engineering	3	<input checked="" type="checkbox"/>		Grade of C	
<b>TERM SIX: 76-90 CREDIT HOURS</b>					
# EEE 334: Circuits II	4	<input checked="" type="checkbox"/>			# Designates Major Course: A minimum cumulative GPA of 2.0 required.
# CSE 320: Design and Synthesis of Digital Hardware	3	<input checked="" type="checkbox"/>		Grade of C	
# CSE 325: Embedded Micro Systems	3	<input checked="" type="checkbox"/>		Grade of C	
# MAT 343: Applied Linear Algebra	3	<input checked="" 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"/>			
<b>TERM SEVEN: 91-105 CREDIT HOURS</b>					
# CSE 423: Systems Capstone Project I (L)	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>See Advisor for approved list of CSE Technical Electives</li> </ul> # Designates Major Course: A minimum cumulative GPA of 2.0 required.
# CSE 430: Operating Systems	3	<input checked="" type="checkbox"/>		Grade of C	
# CSE Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C	
# CSE Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C	
UD Humanities, Fine Arts & Design (HU) OR Social & Behavioral Science (SB)	3	<input checked="" type="checkbox"/>			
<b>TERM EIGHT: 106-120 CREDIT HOURS</b>					
# CSE 420: Computer Architecture I	3	<input checked="" type="checkbox"/>		Grade of C	<ul style="list-style-type: none"> <li>See Advisor for approved list of CSE Technical Electives</li> </ul> # Designates Major Course: A minimum cumulative GPA of 2.0 required.
# CSE 424: Systems Capstone Project II (L)	3	<input checked="" type="checkbox"/>		Grade of C	
# CSE 434: Computer Networks	3	<input checked="" type="checkbox"/>		Grade of C	
# CSE Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C	
# CSE Technical Elective	3	<input checked="" type="checkbox"/>		Grade of C	

**Graduation Requirements Summary:**

Total Hours Regular Curriculum (120)	Total UD Hrs (45 min)	Total Hrs at ASU (30 min)	Cumulative GPA (2.00 minimum)	Major GPA (2.00 minimum GPA )	Hrs Resident Credit for Academic Recognition (56 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:**