

This four year guide is a recommended semester-by semester plan of study for this major. All four year guides are meant as examples of how a degree can be completed in four years. Individual plans will be developed for each student in consultation with the academic advisor. Prior credit, course availability, and student needs must be considered in developing the individual plan.

Shaded areas of plan require special attention.

Course Subject and Title	Credit Hours	Min. Grade Required	Included in Major GPA	Important Notes POS = Program of Study
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**Semester One: [17 Credit Hours]**

ENG 1000	3			May take in fall or spring semester of first year
CS 1440	4	C	X	Prereq is Calculus ready
CS 1100	3		X	Prereq is Calculus ready
MAT 1110	4	C-	X	Also meets Gen Ed Quantitative Literacy
Gen Ed Perspective	3			

**Semester Two: [17 Credit Hours]**

UCO 1200	3			May take in fall or spring semester of first year
CS 2440	4	C	X	
MAT 1120	4		X	
Gen Ed Perspective	3			
Gen Ed Perspective	3			Fine Arts Designation

**Semester Three: [16 Credit Hours]**

ENG 2001	3			May take in fall or spring semester of sophomore year
CS 2490	3		X	
CS 2450	3		X	
Gen Ed Wellness Literacy	1			
Gen Ed Perspective	3			
Gen Ed Perspective	3			Historical Studies Designation

**Semester Four: [16 Credit Hours]**

CS 3460	3		X	
CS 3430	3		X	
MAT 2240	3		X	
Gen Ed Wellness Literacy	1			
Gen Ed Perspective	3			Literary Studies Designation
Gen Ed Perspective	3			

**Semester Five: [16 Credit Hours]**

CS 3481	3		X	
CS 3490	3		X	
CS 3667	3		X	
CS 3100	2		X	
PHY 1150	5		X	May meet Gen Ed Science Inquiry if PHY 1151 taken

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**Semester Six: [14-15 Credit Hours]**

CS 3482	3		X	
STT 3850	4		X	
CS Science Requirement	4 or 5		X	If PHY 1151 taken, Gen Ed met; If another science is taken it will meet 1 <sup>st</sup> Gen Ed Science Inquiry course
CS Elective Course 1	3		X	

**Semester Seven: [12-13 Credit Hours]**

CS 4100	2		X	
CS Elective Course 2	3		X	
CS Science Requirement	4 -5		X	If PHY 1151 taken, Gen Ed met; If another science is taken it will meet 2nd Gen Ed Science Inquiry course
Free Elective	3			

**Semester Eight: [12-14 Credit Hours]**

CS 4800	3		X	CS 4510 is option for honors students
CS Elective Course 3	3		X	
Free Elective	3			
Free Elective	3			
Free Elective	0-2*			*Take enough Free Electives to reach a total of 122 hours for the degree

**General Requirements Summary**

Minimum Total Hours	Gen Ed. Hours	Writing	Minimum	
			Major GPA	Overall GPA
122	44	ENG 1000 and ENG 2001	2.0	2.0

**All CS courses and all courses in Area III on Program of Study count in major GPA.**

**General Education Program Model - 44 Semester Hours Total**

Program Categories	Hours	Important Notes – <i>Be sure to check for Gen Ed courses required in your major</i>
First Year Seminar	3	Can be taken first or second semester of freshman year
Wellness Literacy	2	
Quantitative Literacy	4	
First Year Writing	3	Can be taken first or second semester of freshman year

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Sophomore Writing	3			
Perspectives:	29			
Aesthetic	6 or 9			
Historical & Social	6 or 9			
Local to Global	6 or 9			
Science Inquiry	8			

**Additional Notes:**

- Residency Requirements:
  - 31 hours must be from ASU
  - 18 hours in the major must be from ASU
  - 9 hours in the minor must be from ASU