Degree Works · FINISH IN FOUR

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 guide require special attention.

Course Subject and Title	Credit Hours	Min. Grade Required	Included in Major GPA	Important Notes POS = Program of Study
Semester One: [15 Credit Hours]				
UCO 1200	3			May take in fall or spring semester of first year
MAT 1110	4	C-	X	Also meets **Gen Ed Quantitative Literacy** requirement; Minimum C- required as prerequisite to MAT 1120
Liberal Studies Experience Course 1	3			HS or LS or FA or SS Designation
Gen Ed Science Inquiry	4			
Gen Ed Wellness Literacy Course	1			
Semester Two: [16 Credit Hours]				
RC 1000	3			May take in fall or spring semester of first year
MAT 1120	4	C-	X	
CS 1440	4	C	X	Minimum grade C required as prerequisite to CS 2440
Gen Ed Science Inquiry	4			
Gen Ed Wellness Literacy Course	1			
Semester Three: [14 Credit Hours]				
RC 2001	3			May take in fall or spring semester of sophomore year
MAT 2110	4		X	
MAT 2130	4		X	
MAT 2240	3		X	
Semester Four: [14 Credit Hours]				
MAT 3110 or 3220	3		X	**[WID] Writing in the Discipline**
STT 3250 or 3850	4		X	
CS 1100	3			Corequisite for CS 2440
CS 2440	4	C	X	Minimum grade C required as prerequisite to CS 3430 & 3460
Semester Five: [15 Credit Hours]				
MAT 2310	3		X	Offered Fall semesters only
CS 3430	3		X	
CS 3460	3		X	
MAT 3130 or 3310	3		X	
Integrative Learning Experience Course 1	3			HS or LS or FA or SS Designation
Semester Six: [15 Credit Hours]				
MAT 4310	3		X	Offered Spring semester only
Computational Concentration Elective 1	3		X	Choose courses (minimum of 9 hours) from any 2000 level and above CS courses excluding CS 3520 and CS 4900, approved computational courses in the sciences, or any courses in the **Major Electives** list not used to satisfy previous requirements.

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Computational Concentration Elective 2	3		X	Choose courses (minimum of 9 hours) from any 2000 level and above CS courses excluding CS 3520 and CS 4900, approved computational courses in the sciences, or any courses in the **Major Electives** list not used to satisfy previous requirements.
Integrative Learning Experience Course 2	3			HS or LS or FA or SS Designation
Liberal Studies Experience Course 2	3			HS or LS or FA or SS Designation
Semester Seven: [16 Credit Hours]				
MAT 4040	1		X	[CAP] Capstone; The capstone course has a co-requisite of concurrent enrollment in an associated 4000 level course chosen from the Depth Requirements or Major Electives
Depth Requirements Course	3		X	Choose from list of **Depth Requirements** area on POS; A total of 3 hours in this area is required
Major Elective Course	3		X	Choose from list of **Major Electives** area on POS; A total of 3 hours of electives required
Computational Concentration Elective 3	3		X	Choose courses (minimum of 9 hours) from any 2000 level and above CS courses excluding CS 3520 and CS 4900, approved computational courses in the sciences, or any courses in the **Major Electives** list not used to satisfy previous requirements.
Free Elective	3			
Free Elective	3			
Semester Eight: [15 Credit Hours]				
Integrative Learning Experience Course 3	3			
Liberal Studies Experience Course 3	3			
Liberal Studies Experience Course 4	3			
Free Elective	3			
Free Elective	3*			*Must take enough hours to reach the minimum 120 required for the degree

General Requirements Summary				
Minimum Total Hours	Gen Ed. Hours	Writing	Minimum	
			Major GPA	Overall GPA
120	44	RC 1000 and RC 2001	2.0	2.0

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All MAT and STT courses and all courses in Major Requirements area on Program of Study count in major GPA.

General Education Program Model - 44 Semester Hours Total		
Program Categories	Hours	Important Notes – *Be sure to check for Gen Ed courses required in your major*
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
Sophomore Writing	3	
Integrative Learning Experience	9	Must choose a minimum of two disciplines
Liberal Studies Experience	12	Must choose a minimum of three disciplines
Science Inquiry	8	
You must also meet the Fine Arts, Literary Studies, Historical Studies, and the Social Science Designations. Those may be met within the Integrative Learning Experience and the Liberal Studies Experience.		

Additional Notes:

- Residency Requirements:

    o 30 hours must be from ASU
    o 18 hours in the major must be from ASU
    o 9 hours in the minor must be from ASU