



BS, Mathematics, Computation

BS_260E

College of Arts and Sciences

Department of Mathematical Sciences

2017-2018

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
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Semester One: [15 Credit Hours]

RC 1000	3			May take in fall or spring semester of first year
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
Gen Ed Science Inquiry	4			
Gen Ed Wellness course	1			

Semester Two: [15 Credit Hours]

MAT 1120	4	C-	X	
Gen Ed Science Inquiry	4			
Liberal Studies Experience Course 1	3			HS or LS or FA or SS Designation
Integrative Learning Experience Course 1	3			
Gen Ed Wellness Literacy Course	1			

Semester Three : [17 Credit Hours]

RC 2001	3			May take in fall or spring semester of sophomore year
MAT 2240	3		X	
CS 1440	4	C	X	
MAT 2110	4		X	Honors students may take MAT 2510
Liberal Studies Experience Course 2	3			HS or LS or FA or SS Designation

Semester Four: [17 Credit Hours]

MAT 3110 or MAT 3220	3		X	[WID]
STT 3850	4		X	
CS 2440	4	C	X	
CS 1100	3			Corequisite for CS 2440
Liberal Studies Experience Course 3	3			

Semester Five: [15 Credit Hours]

MAT 2310	3		X	
CS 3460	3		X	
CS 3430	3		X	
MAT or STT Elective 1	3		X	A total of 10 hours of electives required to total 65 hours in Area II on POS; At least 3 sh must be a MAT course if a STT capstone will be selected in last semester.
Integrative Learning Experience Course 2	3			HS or LS or FA or SS Designation



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Semester Six: [15 Credit Hours]

MAT or STT Elective 2	3		X	A total of 10 hours of electives required to total 65 hours in Area II on POS; At least 3 sh must be a MAT course if a STT capstone will be selected in last semester.
Science Concentration Course 1	3		X	Approved course in the sciences; Area II. D on POS
Science Concentration Course 2	3		X	Approved course in the sciences; Area II. D on POS
MAT 4310	3		X	
Integrative Learning Experience Course 3	3			HS or LS or FA or SS Designation

Semester Seven: [14 Credit Hours]

MAT or STT Elective 3	3		X	A total of 10 hours of electives required to total 65 hours in Area II on POS; At least 3 sh must be a MAT course if a STT capstone will be selected in last semester.
MAT or STT Elective 4 or Free Elective	2		X	A total of 10 hours of electives required to total 65 hours in Area II on POS; At least 3 sh must be a MAT course if a STT capstone will be selected in last semester. If 11 hours already met, take Free Elective.
Science Concentration Course 3	3		X	Approved course in the sciences; Area II. D on POS
Free Elective	3			
Free Elective	3			

Semester Eight: [14 Credit Hours]

Capstone Course	4		X	CAPSTONE; Choose one 4-hour combination from Area II.C. on POS
Liberal Studies Experience Course 4	3			
Free Elective	3			
Free Elective	4*			*Must take enough hours to reach the minimum 122 required for the degree

General Requirements Summary

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



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All MAT and STT courses and all courses in Area II 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
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	
<p>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.</p>		

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
 - Final 30 hours must be courses taken through ASU (includes internships, study abroad taken through ASU)