LONG RANGE PLAN

COLLEGE OF SCIENCE
THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

Name	
A#	
Career Goals	

Major	**CS - Computer Science**
Minor	
Concentration	**DS - Data Science**

FA - Fall ONLY	SP - Spring ONLY

Credits Complete

Fall		2025	Spring		2026	Summer		2026
Course	ALL	300+	Course	ALL	300+	Course	ALL	300+
MA 171/ Calculus I	4		MA 172/ Calculus II	4				
EH 101/ College Writing I	3		EH 102/ College Writing II	3				
CS 104/ Intro to CS Using Python	3		CS 121/ Computer Science I	3				
Fine Art	3		Ethics Course - Choose 1: PHL 102/ Intro to Ethics or PHL 150/ Tech, Science, and Human Values	3				
FYE 101S/ First Year Experience /**FA**	1		Social/Behavioral Science	3				
semester total	14	0	semester total	16	0	semester total	0	0
						year total	30	0

Fall		2026	Spring		2027	Summer		2027
Course	ALL	300+	Course	ALL	300+	Course	ALL	300+
MA 201/ Calculus III	4		MA 244/ Intro to Linear Algebra	3				
CS 214/ Discrete Structures	3		CS 309 & 309L/ Computer Org & Switching Theory	3	3			
CS 221/ Computer Science II	3		CS 321/ Intro to Object-Oriented Prog JAVA	3	3			
Lab Sci Seq 1: BYS 119&121/ Princ of Bio or CH 121&125/ Gen Chem I or PH 111&114 Phys w/Calc I or AES103&L/ Env Earth Sci	4		Lab Sci Seq 2: BYS 120&122/ Organismal Bio or CH 123&126/ Gen Chem II or PH 112&115/Phys w/Calc II or AES104&L/ Wthr&Clim Chng	4				
			General Elective	3				
semester total	14	0	semester total	16	6	semester total	0	0
						year total	30	6

Fall		2027	Spring		2028	Summer		2028
Course	ALL	300+	Course	ALL	300+	Course	ALL	300+
MA 385/ Intro to Probability & Statistics	3	3	CS 413 & 413L/ Intro Digital Computer Architecture	3	3			
CS 317/ Intro to Design & Analysis of Algorithms	3	3	CS 430/ Survery of Artificial Intelligence	3	3			
CS 300+ or 400+ course (CS 370 recommeded)	3	3	EH Literature/EH 207, 208, 241, 242, 243, 244, 245, or 246	3				
CS 300+ or 400+ course	3	3	HY History/ HY 103, 104, 221, or 222	3				
HY History/ HY 103, 104, 221, or 222	3		General Elective	3				
semester total	15	12	semester total	15	6	semester total	0	0
						year total	30	18

Fall		2028	Spring		2029	Summer		2029
Course	ALL	300+	Course	ALL	300+	Course	ALL	300+
CS 424/ Programming Languages	3	3	CS 490/ Intro to Operating Systems	3	3			
CS 488/ Intro to Big Data Computing	3	3	CS 499/ Senior Proj: Team Software Design	3	3			
EH 301/ Technical Writing	3	3	Data Science Elective - CS 443, 445, 454, 481, 482, or 487	3	3			
Social/Behavioral Science	3		Humanities/2nd Fine Art/2nd Literature	3				
General Elective	3		General Elective	3				
semester total	15	9	semester total	15	9	semester total	0	0
						year total	30	18

	ALL	300+
Total Credit Hours	**120**	**42**
	(120)	(36)

FA - Fall ONLY	
SP - Spring ONLY	

Updated By: **A Fantastic Advisor**

Notes:

Charger Foundation (CF) & General Elective courses	*Classes that are required for graduation and easily shifted around other courses. Offered in every semester.*
General Elective	*General Electives can be ANY course offered for credits toward your minimum total. Course Descriptions will help you choose.*

**Apply to graduate
by Sept 1st for Spring
by Feb 1st for Summer
by June 1st for Fall**

Graduation checklist and graduation application: