



LONG RANGE PLAN

Name

A#

Career Goals

Major

Minor

Concentration

CH - Chemistry
BYS - Biological Sciences
BIOC - Biochemistry

ALL 300+

FA - Fall ONLY

SP - Spring ONLY

Credits Complete

Fall		2025	
Course	ALL	300+	
MA 171/ Calculus I	4		
EH 101/ College Writing	3		
CH 121M & 125M/ General Chemistry I + lab (M-Sections Required)	4		
BYS 120 & 122/ Organismal Biology + lab OR BYS 119 & 121/ Principles of Biology + lab	4		
FYE 101S/ First Year Experience /FA	1		
semester total	16	0	

Spring		2026	
Course	ALL	300+	
MA 172/ Calculus II	4		
EH 102/ College Writing II	3		
CH 123 & 126/ General Chemistry II +lab	4		
BYS 120 & 122/ Organismal Biology + lab OR BYS 119 & 121/ Principles of Biology + lab	4		
semester total	15	0	

Summer		2026	
Course	ALL	300+	
semester total	0	0	
year total	31	0	

Fall		2026	
Course	ALL	300+	
CH 223 & 224/ Quantitative Analysis + lab	4		
CH 331 & 335/ Organic Chemistry I + lab	4	4	
BYS 219 & 221/ Genetics & Evolution + lab	4		
EH Literature/EH 207, 208, 241, 242, 243, 244, 245, or 246	3		
semester total	15	4	

Spring		2027	
Course	ALL	300+	
CH 332 & 336/ Organic Chemistry II + lab	4	4	
BYS 300 & 300L/ Cell & Developmental Bio + lab	4	4	
PH 111 & 114/ Physics w/ Calculus I + lab	4		
Social/Behavioral Science	3		
semester total	15	8	

Summer		2027	
Course	ALL	300+	
semester total	0	0	
year total	30	12	

Fall		2027	
Course	ALL	300+	
CH 361 & 362/ General Biochemistry I + lab	4	4	
PH 112 & 115/ Physics w/Calculus II + lab	4		
HY History/ HY 103, 104, 221, or 222	3		
CM 113/ Public Speaking	3		
Humanities/Fine Art/2nd Literature	3		
semester total	17	4	

Spring		2028	
Course	ALL	300+	
CH 363 & 364/ General Biochemistry II + lab/ SP	4	4	
BYS 321 & 321L/General Microbiology + lab	4	4	
HY History/ HY 103, 104, 221, or 222	3		
Social/Behavioral Science	3		
General Elective	2		
semester total	16	8	

Summer		2028	
Course	ALL	300+	
semester total	0	0	
year total	33	12	

Fall		2028	
Course	ALL	300+	
CH 345 & 347/ Exp Phys Chem I & Biophys Chem I/ FA	4	4	
CH 401/ Inorganic Chemistry / FA	3	3	
CH 421 & 422/ Instrumental Analysis + lab/ FA	4	4	
BYS 464/ Evolution/ FA (or elective here if taking BYS 430 in spring for minor)	3	3	
Apply to Chemistry department for research course			
semester total	14	14	

Spring		2029	
Course	ALL	300+	
CH 346 & 348/ Exp Phys Chem II & Biophys Chem II / SP	4	4	
CH 402/ Inorganic Chemistry Lab / SP	1	1	
CH 491 or 492 or 493/ Intro to Chemical Research 1-3 hrs	1	1	
BYS 430/ Immunology/ SP (or elective here if BYS 464 was taken in fall for minor)	3		
Fine Art	3		
semester total	12	6	

Summer		2029	
Course	ALL	300+	
semester total	0	0	
year total	26	20	

FA - Fall ONLY

SP - Spring ONLY

Grand Total 120 44
(120) (36)

Updated By: **Amazing Advisor**

Notes:

Charger Foundation (CF) & General Elective courses Classes that are required for graduation and easily shifted around other courses. Offered in every semester.

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

Graduation checklist and araduation application:
<https://www.uah.edu/registrar/commencement/checklist>