



LONG RANGE PLAN

Name _____
A# _____
Career Goals _____

Major **CH - Chemistry**
Minor **AES - Atmospheric & Earth Science**
Concentration **ENVC - Environmental Chemistry**

FA - Fall ONLY		
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

SP - Spring ONLY		
Spring	2026	
Course	ALL	300+
MA 172/ Calculus II	4	
EH 102/ College Writing II	3	
CH 123 & 126/ General Chemistry II +lab	4	
AES 103 & 103L/ Env Earth Sci + lab	4	
semester total	15	0

Credits Complete		
Summer	2026	
Course	ALL	300+
BYS 120 & 122/ Organismal Biology + lab OR BYS 119 & 121/ Principles of Biology + lab	4	
semester total	4	0
year total	35	0

Fall	2026	
Course	ALL	300+
MA 201/ Calculus III	4	
CH 331 & 335/ Organic Chemistry I + lab	4	4
BYS 219 & 221/ Genetics & Evolution + lab	4	
AES 104 & 104L/ Weather & Climate Change + lab	4	
semester total	16	4

Spring	2027	
Course	ALL	300+
CH 332 & 336/ Organic Chemistry II + lab	4	4
CH 223 & 224/ Quantitative Analysis + lab	4	
PH 111 & 114/ Physics w/Calculus I + lab	4	
AES 212&L/ Severe Weather Analysis + lab/SP	4	
semester total	16	4

Summer	2027	
Course	ALL	300+
semester total	0	0
year total	32	8

Fall	2027	
Course	ALL	300+
CH 361 & 362/ General Biochemistry I + lab	4	4
CH 401/ Inorganic Chemistry /FA	3	3
PH 112 & 115/ Physics w/Calculus II + lab	4	
AES 321/ Pollution Problems /FA	3	3
semester total	14	10

Spring	2028	
Course	ALL	300+
CH 402/ Inorganic Chemistry Lab /SP	1	1
BYS 300 & 300L/ Cell & Developmental Biology + lab	4	4
AES 301/ Intro to Earth & Atmospheric Physics	3	3
AES 305/ Hydrology /SP	3	3
EH Literature/EH 207, 208, 241, 242, 243, 244, 245, or 246	3	
Social/Behavioral Science	3	
semester total	17	11

Summer	2028	
Course	ALL	300+
semester total	0	0
year total	31	21

Fall	2028	
Course	ALL	300+
CH 341 & 345/ Phys Chem I or Exp Phys Chem I /FA	4	4
CH 421 & 422/ Instrumental Analysis + lab/FA	4	4
AES 420/ Intro Atmos Chem & Air Pollution/FA	3	3
Humanities/2nd Fine Art/2nd Literature	3	
HY History/ HY 103, 104, 221, or 222	3	
Apply to Chemistry department for research course		
semester total	17	11

Spring	2029	
Course	ALL	300+
CH 342/ Physical Chemistry II/SP	3	3
CH 491 or 492 or 493/ Intro to Chemical Research 1-3 hrs	1	1
CM 113/ Public Speaking	3	
HY History/ HY 103, 104, 221, or 222	3	
Social/Behavioral Science	3	
Fine Art	3	
semester total	16	4

Summer	2029	
Course	ALL	300+
semester total	0	0
year total	33	15

FA - Fall ONLY

SP - Spring ONLY

Grand Total **131** **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/registrars/commencement/checklist>