



LONG RANGE PLAN

Name
A#
Career Goals

Major **PH - Physics**
Minor

Concentration **APT - Applied & Theoretical**

ALL 300+

FA - Fall ONLY

SP - Spring ONLY

Credits Complete

Fall		2025	
Course	ALL	300+	
MA 171/ Calculus I	4		
EH 101/ College Writing I	3		
PH 110/ Frontiers in Science /FA	3		
Social/Behavioral Science	3		
Fine Art	3		
FYE 101S/ First Year Experience /FA	1		
semester total	17	0	

Spring		2026	
Course	ALL	300+	
MA 172/ Calculus II	4		
EH 102/ College Writing II	3		
PH 111 & 114/ Physics w/ Calculus I + lab	4		
Non-Literature Humanity	3		
semester total	14	0	

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

Fall		2026	
Course	ALL	300+	
MA 201/ Calculus III	4		
PH 112 & 115/ Physics w/ Calculus II + lab	4		
CH 121M & 125M/ General Chemistry I + lab (M-Sections Required)	4		
Social/Behavioral Science	3		
semester total	15	0	

Spring		2027	
Course	ALL	300+	
MA 238/ Applied Differential Equations	3		
PH 113 & 116/ Physics w/ Calculus III + lab	4		
PH 251/ Special Relativity /SP	1		
PH 305/ Math Methods in Physics /SP	3	3	
CH 123 & 126/ General Chemistry II + lab	4		
semester total	15	3	

Summer		2027	
Course	ALL	300+	
semester total	0	0	
year total	30	3	

Fall		2027	
Course	ALL	300+	
MA 244/ Intro to Linear Algebra	3		
PH 310/ Intermediate Lab /FA	2	2	
PH 351/ Intro to Modern Physics /FA	3	3	
PH 431/ Interim Electricity & Magnetism I /FA	3	3	
Humanities/2nd Fine Art/2nd Literature	3		
semester total	14	8	

Spring		2028	
Course	ALL	300+	
PH 301/ Intermediate Mechanics /SP	3	3	
PH 311/ Intermediate Lab II /SP	2	2	
PH 432/ Interim Electricity & Magnetism II /SP	3	3	
CS 104/ Intro to Python Programming	3		
EH Literature/EH 207, 208, 241, 242, 243, 244, 245, or 246	3		
General Elective	1		
semester total	15	8	

Summer		2028	
Course	ALL	300+	
semester total	0	0	
year total	29	16	

Fall		2028	
Course	ALL	300+	
PH 451/ Intro to Quantum Mechanics I /FA	3	3	
PH 499/ Physics Practicum	3	3	
HY History/ HY 103, 104, 221, or 222	3		
General Elective 300+ or 400+ course	3	3	
General Elective	3		
semester total	15	9	

Spring		2029	
Course	ALL	300+	
PH 452/ Intro Quantum Mechanics II /SP	3	3	
PH 421/ Thermal & Statistical Physics /SP	3	3	
HY History/ HY 103, 104, 221, or 222	3		
General Elective 300+ or 400+ course	3	3	
General Elective	3		
semester total	15	9	

Summer		2029	
Course	ALL	300+	
semester total	0	0	
year total	30	18	

FA - Fall ONLY

SP - Spring ONLY

Grand Total (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/reastrar/commencement/checklist>