



LONG RANGE PLAN

Name _____
 A# _____
 Career Goals _____

Major **PH - Physics**
 Minor _____
 Concentration **OPT - Optics**

FA - Fall ONLY

SP - Spring ONLY

Credits Complete

Fall 2025		ALL	300+
Course			
MA 171/ Calculus I	4		
EH 101/ College Writing I	3		
PH 110/ Frontiers in Space /FA	3		
CH 121 & 125/ General Chemistry I + lab	4		
FYE 101S/ First Year Experience /FA	1		
semester total	15	0	0

Spring 2026		ALL	300+
Course			
MA 172/ Calculus II	4		
EH 102/ College Writing II	3		
PH 111 & 114/ Physics w/ Calculus I + lab	4		
CH 123 & 126/ General Chemistry II + lab	4		
semester total	15	0	0

Summer 2026		ALL	300+
Course			
semester total	0	0	0
year total	30	0	0

Fall 2026		ALL	300+
Course			
MA 201/ Calculus III	4		
PH 112 & 115/ Physics w/ Calculus II + lab	4		
CS 104/ Intro to CS Using Python	3		
Social/Behavioral Science	3		
General Elective	2		
semester total	16	0	0

Spring 2027		ALL	300+
Course			
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	
EH Literature/EH 207, 208, 241, 242, 243, 244, 245, or 246	3		
semester total	14	3	3

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

Fall 2027		ALL	300+
Course			
MA 244/ Intro to Linear Algebra	3		
PH 351/ Intro to Modern Physics /FA	3	3	
OPT 341/ Geometrical Optics /FA	3	3	
HY History/ HY 103, 104, 221, or 222	3		
General Elective	3		
semester total	15	6	6

Spring 2028		ALL	300+
Course			
PH 301/ Intermediate Mechanics /SP	3	3	
OPT 342/ Physical Optics /SP	3	3	
OPT 411/ Optics Lab /SP	3	3	
HY History/ HY 103, 104, 221, or 222	3		
Humanities/2nd Fine Art/2nd Literature	3		
semester total	15	9	9

Summer 2028		ALL	300+
Course			
semester total	0	0	0
year total	30	15	15

Fall 2028		ALL	300+
Course			
PH/OPT 300+ course	3	3	
Fine Art	3		
Non-Literature Humanity	3		
General Elective 300+ or 400+ course	3	3	
General Elective 300+ or 400+ course	3	3	
semester total	15	9	9

Spring 2029		ALL	300+
Course			
PH 499/ Physics Practicum	3	3	
PH/OPT 400+ course	3	3	
Social/Behavioral Science	3		
General Elective 300+ or 400+ course	3	3	
General Elective	3		
semester total	15	9	9

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

FA - Fall ONLY

SP - Spring ONLY

Grand Total 120 36
(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 graduation application:
<https://www.uah.edu/realstrar/commencement/checklist>