



# LONG RANGE PLAN

Name

A#

Career Goals

Major **CS - Computer Science**

Minor

Concentration **Cybersecurity**

**FA - Fall ONLY**

**SP - Spring ONLY**

Credits Complete

Fall 2025		
Course	ALL	300+
MA 171/ Calculus I	4	
EH 101/ College Writing I	3	
CS 104/ Intro to CS Using Python	3	
Fine Art	3	
FYE 101S/ First Year Experience /FA	1	
semester total	14	0

Spring 2026		
Course	ALL	300+
MA 172/ Calculus II	4	
EH 102/ College Writing II	3	
CS 121/ Computer Science I	3	
Social/Behavioral Science	3	
Ethics Course - Choose 1: PHL 102/ Intro to Ethics or PHL 150/ Tech, Science, and Human Values	3	
semester total	16	0

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

Fall 2026		
Course	ALL	300+
MA 201/ Calculus III	4	
CS 214/ Discrete Structures	3	
CS 221/ Computer Science II	3	
Lab Sci Seq 1: BYS 119&121/ Principles of Biology or BYS 120 & 122/Organismal Biology or CH 121&125/ Gen Chemistry I or PH 111&114 Physics w/Calc I or AES103&L/ Environmental Earth Sci or AES 104 & 104L/Weather & Climate Change	4	
semester total	14	0

Spring 2027		
Course	ALL	300+
MA 244/ Intro to Linear Algebra	3	
CS 309 & 309L/ Computer Org & Switching Theory	3	3
CS 321/ Intro to Object-Oriented Prog JAVA	3	3
Lab Sci Seq 2: BYS 119&121/ Principles of Biology or BYS 120 & 122/Organismal Biology or CH 123&126/ Gen Chem II or PH 112&115/Physics w/Calculus II or AES103 & 103L/ Environmental Earth Sci or AES 104 & 104L/Weather & Climate Change	4	
EH Literature/EH 207, 208, 241, 242, 243, 244, 245, or 246	3	
semester total	16	6

Summer 2027		
Course	ALL	300+
semester total	0	0
year total	30	6

Fall 2027		
Course	ALL	300+
MA 385/ Intro to Probability & Statistics	3	3
CS 317/ Intro to Design & Analysis of Algorithms	3	3
CS 413 & 413L/ Intro Digital Computer Architecture	3	3
HY History/ HY 103, 104, 221, or 222	3	
Social/Behavioral Science	3	
semester total	15	9

Spring 2028		
Course	ALL	300+
CS 370/ Intro Computer Networks	3	3
CS 300+ or 400+ course	3	3
Humanities/2nd Fine Art/2nd Literature	3	
HY History/ HY 103, 104, 221, or 222	3	
General Elective	3	
semester total	15	6

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

Fall 2028		
Course	ALL	300+
CS 424/ Programming Languages	3	3
CS 465/ Network Security	3	3
CS 480/ Mobile Digital Forensics	3	3
EH 301/ Technical Writing	3	3
General Elective	3	
semester total	15	12

Spring 2029		
Course	ALL	300+
CS 485/ Intro Cybersecurity Engineering	3	3
CS 499/ Senior Proj: Team Software Design	3	3
CS 490/ Intro to Operating Systems	3	3
General Elective	3	
General Elective	3	
semester total	15	9

Summer 2029		
Course	ALL	300+
semester total	0	0
year total	30	21

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

General Elective

Classes that are required for graduation and easily shifted around other courses. Offered in every semester.

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