

Completed	Course Number	Credits	Course Name	Semester Usually Offered
Charger Foundations				
Choose one:				
Area I: Freshman Composition 3-6 credits				
<input type="checkbox"/>	EH 101 & EH 102	6	College Writing, I & II*	FA/SP/SU
<input type="checkbox"/>	EH 103	3	Accelerated College Writing*	SP
<input type="checkbox"/>	EH 105	3	Honors English Seminar*	FA
Area II: Humanities and Fine Arts 12 credits				
<input type="checkbox"/>		3	Fine Art	FA/SP/SU
<input type="checkbox"/>		3	Literature	FA/SP/SU
<input type="checkbox"/>	PHL 102 or 150	3	Non-Literature Humanity - Ethics requirement	FA/SP/SU
<input type="checkbox"/>		3	Humanities/Fine Arts/Literature	FA/SP/SU
Area III: Mathematics and Sciences 11-12 credits				
Mathematics 4 credits				
<input type="checkbox"/>	MA 171, 171S, or MA 150 & 151	4	Calculus I* Calculus I with Foundations A&B	FA/SP/SU
Choose one sequence:				
Natural Sciences (Lab) 8 credits				
<input type="checkbox"/>	AES 103/103L & AES 104/104L	4 4	Environmental Earth Science + Lab Weather & Climate Change + Lab	FA/SP/SU
<input type="checkbox"/>	BYS 119/121 & BYS 120/122	3/1 3/1	Principles of Biology + Lab Organismal Biology + Lab	FA/SP/SU
<input type="checkbox"/>	CH 121/125 CH 123/126	3/1 3/1	General Chemistry I + Lab General Chemistry II + Lab	FA/SP/SU
<input type="checkbox"/>	PH 111/114 PH 112/115	3/1 3/1	General Physics w/ Calculus I + Lab General Physics w/ Calculus II + Lab	FA/SP/SU
Area IV: History and Social & Behavioral Sciences 12 credits				
<input type="checkbox"/>		3	History	FA/SP/SU
<input type="checkbox"/>		3	Social & Behavioral Science	FA/SP/SU
<input type="checkbox"/>		3	Social & Behavioral Science	FA/SP/SU
<input type="checkbox"/>		3	History/Social & Behavioral Science	FA/SP/SU
Area V: Pre-Professional				
Additional Requirements 21 credits				
<input type="checkbox"/>	FYE 101S	1	Charger Success - Science	FA
<input type="checkbox"/>	CS 104	3	Intro to CS Using Python	FA/SP/SU
<input type="checkbox"/>	EH 301	3	Technical Writing	FA/SP/SU
<input type="checkbox"/>	MA 172	4	Calculus II	FA/SP/SU
<input type="checkbox"/>	MA 201	4	Calculus III	FA/SP/SU
<input type="checkbox"/>	MA 244	3	Intro to Linear Algebra	FA/SP/SU
<input type="checkbox"/>	MA 385	3	Intro to Probability & Statistics	FA/SP/SU
Major Requirements				
Computer Science Core 30 credits				
<input type="checkbox"/>	CS 121	3	Computer Science I	FA/SP SU
<input type="checkbox"/>	CS 214	3	Intro to Discrete Structures	FA/SP SU
<input type="checkbox"/>	CS 221	3	Computer Science II: Data Structures	FA/SP SU
<input type="checkbox"/>	CS 309/309L	3	Computer Org & Switching Theory + Lab	FA/SP SU
<input type="checkbox"/>	CS 317	3	Intro Design/Analysis of Algorithms	FA/SP SU
<input type="checkbox"/>	CS 321	3	Intro Object-Oriented Prog Java	FA/SP SU
<input type="checkbox"/>	CS 413/413L	3	Intro to Digital Comp Architecture + Lab	FA/SP
<input type="checkbox"/>	CS 424	3	Principles Programming Language	FA/SP/SU
<input type="checkbox"/>	CS 490	3	Intro to Operating Systems	FA/SP
<input type="checkbox"/>	CS 499	3	Sr Project: Team Software Design	FA/SP
Web Programming Concentration Requirements 12 credits				
<input type="checkbox"/>	ARS 230	3	Graphic Design: Introduction	FA/SP
<input type="checkbox"/>	ARS 332	3	Graphic Design: Web Design	FA/SP
<input type="checkbox"/>	CS 453	3	Client/Server Architectures	SP
<input type="checkbox"/>	CS 370	3	Intro to Computer Networks	FA/SP
Web Programming Concentration Elective Requirements 9+ credits				
Choose two 300+ or 400+ level CS courses				
<input type="checkbox"/>		3		FA/SP
<input type="checkbox"/>		3		FA/SP
Choose one 400+ level CS course				
<input type="checkbox"/>		3		FA/SP
General Electives				
Elective courses can be taken from any department and do not have to be taken in your major or minor. Only 4 HPE credits can apply.				
Total = 120+ credits to graduate				
36 of the 120 credits must be taken at 300-level or higher.				
All prerequisite classes must be completed with a "C-" or higher grade.				
The Catalog is the final authority for all degree requirements.				
*Placement Requirements: https://www.uah.edu/admissions/undergraduate/admitted-students/academic-placement				

Charger Foundations Choices

Freshman Composition	Choose 1	College Writing, I & II (EH 101 + EH 102) Honors English Seminar (EH 105; equivalent to EH 101 & EH 102) Accelerated College Writing (EH 103; equivalent to EH 101 & EH 102)	
Fine Arts	Choose 1	Ancient to Medieval Art (ARH 100) Renaissance to Modern Art (ARH 101) World Art (ARH 103) Introduction to Drawing (ARS 160) Intro to Film Studies (FMA 123) Intro to Music Literature (MU 100) Theatre Appreciation (TH 122)	
Literature	Choose 1	Readings Literature/Culture I (EH 207) Readings Literature/Culture II (EH 208) Literature Without Borders (EH 241) Mythology (EH 242)	Protest Literature (EH 243) Heroes &/or Monsters (EH 244) Love &/or Romance (EH 245) Speculative Realities (EH 246)
Humanities (Non-Literature)	Choose 2 one must be Ethics requirement	Ancient to Medieval Art (ARH 100) Renaissance to Modern Art (ARH 101) World Art (ARH 103) Introduction to Drawing (ARS 160) Ancient & Medieval Worlds (AMS 229) Public Speaking (CM 113) Intro to Film Studies (FMA 123) Intro to Music Literature (MU 100)	Intro to Philosophy (PHL 101) Intro to Ethics (PHL 102) Intro to Logic (PHL 103) Science, Tech & Human Values (PHL 150) Theatre Appreciation (TH 122) Intro to Women's Studies (WGS 200) Foreign Language (WLC 101) International Cinema (WLC 204)
Mathematics	Choose 1	Calculus I (MA 171, 171S) or Calculus I with Foundations A & B (MA 150 & MA 151)	
Natural Sciences (Lab) Sequence	Choose one 2-course sequence	Environmental Earth Science (AES 103/103L) and Weather & Climate Change (AES 104/104L) Principles of Biology (BYS 119/121) and Organismal Biology (BYS 120/122) General Chemistry I (CH 121/125) and General Chemistry II (CH 123/126) General Physics w/ Calculus I (PH 111/114) and General Physics w/ Calculus II (PH 112/115)	
History	Choose 1 or 2	World History I (HY 103) World History II (HY 104)	United States to 1877 (HY 221) United States Since 1877 (HY 222)
Social & Behavioral Sciences	Choose 2 or 3	World Geography (AES 105) Human Geography (AES 110) Global systems & Cultures (GS 200) Macroeconomics (ECN 142) Microeconomics (ECN 143) American Gov't (PSC 101)	Politics & Foreign Govt (PSC 102) International Relations (PSC 260) General Psychology (PY 101) Life Span Development (PY 201) Intro to Sociology (SOC 100) Intro to Criminology (SOC 103)
Students must take one literature and one history course. Students must also take <u>either</u> a second literature <u>or</u> history course to complete a sequence.			
	Take a 2 nd Literature AND History or Social & Behavioral Science		
	Take a 2 nd History AND Fine Arts or Non-Literature Humanities or Literature Humanities		