

Completed	Course Number	Credits	Course Name	Semester Usually Offered
<b>Charger Foundations</b>				
<b>Choose one:</b>				
<b>Area I: Freshman Composition 3-6 credits</b>				
<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
<b>Area II: Humanities and Fine Arts 12 credits</b>				
<input type="checkbox"/>		3	Fine Art	FA/SP/SU
<input type="checkbox"/>		3	Literature	FA/SP/SU
<input type="checkbox"/>		3	Non-Literature Humanity	FA/SP/SU
<input type="checkbox"/>		3	Humanities/Fine Arts/Literature	FA/SP/SU
<b>Area III: Mathematics and Sciences 11-12 credits</b>				
<b>Mathematics 4 credits</b>				
<input type="checkbox"/>	MA 171, MA 171S MA 150 & 151	4	Calculus I* Calculus I with Foundations A & B	FA/SP/SU
<b>Natural Sciences (Lab) 8 credits</b>				
<input type="checkbox"/>	CH 121/125	3/1	General Chemistry I + Lab	FA
<input type="checkbox"/>	CH 123/126	3/1	General Chemistry II + Lab	SP
<b>Area IV: History and Social &amp; Behavioral Sciences 12 credits</b>				
<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
<b>Area V: Pre-Professional</b>				
<b>Additional Requirements 18 credits</b>				
<input type="checkbox"/>	FYE 101S	1	Charger Success - Science	FA
<input type="checkbox"/>	CS 104	3	Intro to Computer Science Using Python	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 238	3	Appl Differential Equations	FA/SP/SU
<input type="checkbox"/>	MA 244	3	Intro to Linear Algebra	FA/SP/SU
<b>Major Requirements</b>				
<b>Physics Core 28 credits</b>				
<input type="checkbox"/>	PH 110	3	Frontiers in Science	FA
<input type="checkbox"/>	PH 111/114	3/1	General Physics w/ Calculus I + Lab	FA/SP/SU
<input type="checkbox"/>	PH 112/115	3/1	General Physics w/ Calculus II + Lab	FA/SP/SU
<input type="checkbox"/>	PH 113/116	3/1	General Physics w/ Calculus III + Lab	FA/SP/SU
<input type="checkbox"/>	PH 251	1	Special Relativity	FA/SP
<input type="checkbox"/>	PH 301	3	Intermediate Mechanics	SP
<input type="checkbox"/>	PH 305	3	Math Methods in Physics	SP
<input type="checkbox"/>	PH 351	3	Introduction to Modern Physics	FA
<input type="checkbox"/>	PH 499	3	Physics Practicum	FA
<b>Optics Concentration Requirements 9 credits</b>				
<input type="checkbox"/>	OPT 341	3	Geometrical Optics	FA
<input type="checkbox"/>	OPT 342	3	Physical Optics	SP
<input type="checkbox"/>	OPT 411	3	Optics Lab	SP
<b>Optics Concentration Elective Requirements 6 credits</b>				
Choose two 300+ or 400+ level AST/OPT/PH courses				
<b>General Electives</b>				
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.				
<b>Total = 120+ credits to graduate</b>				
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: <a href="https://www.uah.edu/admissions/undergraduate/admitted-students/academic-placement">https://www.uah.edu/admissions/undergraduate/admitted-students/academic-placement</a>				

### Charger Foundations Choices

<b>Freshman Composition</b>	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)
<b>Fine Arts</b>	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)
<b>Literature</b>	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)
<b>Humanities (Non-Literature)</b>	Choose 2	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)
<b>Mathematics</b>	Choose 1	Calculus I (MA 171 or MA 171S) or Calculus I with Foundations A & B (MA 150 & 151)
<b>Natural Sciences (Lab) Sequence</b>	Required	General Chemistry I + Lab (CH 121/125) General Chemistry II + Lab (CH 123/126)
<b>History</b>	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)
<b>Social &amp; Behavioral Sciences</b>	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) Analysis of Social Problems (SOC 102) Intro to Criminology (SOC 103)

**Students must take one literature and one history course.**

**Students must also take either a second literature or history course to complete a sequence.**

Take a 2<sup>nd</sup> Literature **AND** History or Social & Behavioral Science

Take a 2<sup>nd</sup> History **AND** Fine Arts or Non-Literature Humanities or Literature Humanities