

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 12 credits</b>				
<b>Mathematics 4 credits</b>				
<input type="checkbox"/>	MA 171, 171S or 150 & 151	4	Calculus I or Calculus I with Foundations A & B	FA/SP/SU
<b>Natural Sciences (Lab) 8 credits</b>				
<input type="checkbox"/>	PH 111/114	3/1	Physics w/ Calculus I + Lab	FA/SP/SU
<input type="checkbox"/>	PH 112/115	3/1	Physics w/ Calculus II + Lab	FA/SP/SU
<b>Area IV: History and Social &amp; Behavioral Sciences 12 credits</b>				
<input type="checkbox"/>		3	History	FA/SP/SU
<input type="checkbox"/>	AES 105	3	World Geography	FA/SP
<input type="checkbox"/>	AES 110	3	Human Geography	FA/SP
<input type="checkbox"/>		3	History/Social & Behavioral Science	FA/SP/SU
<b>Area V: Pre-Professional</b>				
<b>Additional Requirements 22 credits</b>				
<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"/>	CH 121/125	3/1	General Chemistry I + Lab	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	Applied Differential Equations	FA/SP/SU
<input type="checkbox"/>		3	Statistics	FA/SP
<b>Major Requirements</b>				
<b>Atmospheric &amp; Earth Science Core 17 credits</b>				
<input type="checkbox"/>	AES 103/103L	4	Environmental Earth Science + Lab	FA/SP
<input type="checkbox"/>	AES 104/ 104L	4	Weather & Climate Change + Lab	FA/SP
<input type="checkbox"/>	AES 209	2	Data Analysis Tools	FA/SP
<input type="checkbox"/>	*AES 301	3	Intro to Earth & Atmos Physics	FA/SP
<input type="checkbox"/>	*AES 303	3	Class/Physical Causes Climate	SP
<input type="checkbox"/>	AES 498	1	Research & Prof Dev Capstone	FA/SP
<b>Atmospheric Science/Meteorology Concentration 16 credits</b>				
<input type="checkbox"/>	AES 212/212L	4	Severe Weather Analysis	SP
<input type="checkbox"/>	AES 321 or AES 370	3	Pollution Problems or Intro to Remote Sensing	FA/SP
<input type="checkbox"/>	*AES 341	3	Thermodynamic Meteorology	FA
<input type="checkbox"/>	*AES 351	3	Dynamic Meteorology	FA
<input type="checkbox"/>	AES 408 or AES 409	3	Python for GIS or Sci Programming for Earth/Atmos	FA/SP
<b>Atmospheric Science/Meteorology Concentration Electives</b>				
Choose 17 credits: 9 credits must be 400+ level				
*AMS-NWS Guidelines for BS Degree in Meteorology				
**AES 305, 352, 410, 454, 471, 472 count towards the National Weather Service GS-1340 Federal Civil Service Requirements. See back for choices				
<input type="checkbox"/>				
<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 UAH 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) Speculative Realities (EH 246)	Mythology (EH 242) Protest Literature (EH 243) Heroes &/or Monsters (EH 244) Love &/or Romance (EH 245)
<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	Physics w/ Calculus I (PH 111/114) Physics w/ Calculus II (PH 112/115)	
<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	<b>World Geography (AES 105)</b> <b>Human Geography (AES 110)</b> 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)
<b>Students must take one literature and one history course.</b>			
<b>Students must also take <u>either</u> a second literature <u>or</u> history course to complete a sequence.</b>			
Take a 2 <sup>nd</sup> Literature <b>AND</b> History or Social & Behavioral Science <b>OR</b>			
Take a 2 <sup>nd</sup> History <b>AND</b> Fine Arts or Non-Literature Humanities or Literature Humanities			
Statistics Choices			
<b>Statistics</b>	Choose 1	Elements of Statistics Analysis (MA 281) Probability & Statistics (MA 385) Intro to Social Science Statistics (PSC 300) Psychological Statistics (PY 300) Statistics for Social Sciences (SOC 303)	
Atmospheric Science/Meteorology Concentration Elective Choices			
<b>Concentration Electives</b>	Choose 17 Credits (9 @ 400+)	AES 305 Hydrology** AES 313 Geographic Information Systems AES 321 Pollution Problems AES 352 Synoptic Meteorology** AES 370 Intro to Remote Sensing AES 402 Natural Disasters AES 408 Python for GIS AES 409 Scientific Programming for Earth & Atmos AES 410 Operational Weather Forecasting* AES 414 Geospatial Applications AES 420 Intro Atmospheric Chemistry & Air Pollution	AES 441 Atmospheric Thermodynamics & Cloud Physics AES 451 Atmospheric Fluid Dynamics I AES 454 Forecasting Mesoscale Proc** AES 461 Atmospheric Radiation I AES 471 Radar Meteorology** AES 472 Satellite Meteorology** AES 490 Special Topics in Earth & Atmos AES 495 Directed Study AES 497 Undergrad Internship AES 499 Undergrad Research

\*\*AES 305, AES 352, AES 410, AES 454, AES 471, AES 472. These courses count towards the National Weather Service GS-1340 Federal Civil Service Requirements.