

Completed	Course Number	Credits	Course Name	Prerequisites, Corequisites and/or Prerequisites with Concurrency*	Semester Usually Offered
Charger Foundations					
Area I: Freshman Composition 6 credits – see attached for more options					
<input type="checkbox"/>	EH 101	3	College Writing I	Placement*	FA/SP/SU
<input type="checkbox"/>	EH 102	3	College Writing II	EH 101 or EH 101S	FA/SP/SU
<input type="checkbox"/>	EH 103	3	Accelerated College Writing	Placement*	SP
<input type="checkbox"/>	EH 105	3	Honors English Seminar	Honors	FA
Area II: Fine Art and Humanities 12 credits					
<input type="checkbox"/>		3	Fine Art	See attached for choices	
<input type="checkbox"/>		3	Literature	Completion of Area I	
<input type="checkbox"/>	CM 113	3	Public Speaking	REQUIRED (use as Non-Literature Humanity)	FA/SP/SU
<input type="checkbox"/>	*	3	Humanities/Fine Arts/Literature	See attached for choices	
Area III: Math and Natural Science 11-12 credits					
Math 3-4 credits (Choose one)					
<input type="checkbox"/>	MA 120	3	Math Professional Applications	MA 112 or Level 2 Placement	FA/SP/SU
<input type="checkbox"/>	MA 171	4	Calculus A	MA 113, MA 115 or Level 3 Placement	FA/SP/SU
Lab Science 8 credits - Choose one (two course) sequence:					
<input type="checkbox"/>	PH 101/101L	3/1	Gen Physics I + Lab		FA
<input type="checkbox"/>	PH 102/102L	3/1	Gen Physics II + Lab	PH 101/101L	SP
<input type="checkbox"/>	PH 111/114	3/1	Physics w/ Calculus I + Lab	MA 171	FA/SP/SU
<input type="checkbox"/>	PH 112/115	3/1	Physics w/ Calculus II + Lab	PH 111/114, MA 172	FA/SP/SU
Area IV: History and Social & Behavioral Science 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>	ESS 105	3	World Geography	Strongly Recommended, see attached for choices	SP
<input type="checkbox"/>	ESS 110	3	Human Geography	Strongly Recommended, see attached for choices	FA
<input type="checkbox"/>	*	3	History/Social & Behavioral Science	See attached for choices	
Area V: College of Science Requirements 17 Credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
<input type="checkbox"/>	CH 101/105	3/1	Intro to Chemistry + Lab	Prereq w/Conc CH 105 or MA 112	FA/SP/SU
<input type="checkbox"/>	CH 121/125	3/1	General Chemistry I + Lab	MA 112 or MA 113, 115, 120, 171 w/Conc	FA/SP/SU
<input type="checkbox"/>	CS	3	Computer Science	*See attached for choices	FA/SP/SU
<input type="checkbox"/>	EH 301	3	Technical Writing	EH 101 + 102	FA/SP/SU
<input type="checkbox"/>	MA 281	3	Elements of Statistical Analysis	MA 113, MA 115 or Level 2 Placement	FA/SP
<input type="checkbox"/>	PSC 300	3	Social Science Statistics		SP
Earth System Science Major Requirements 50 credits					
Earth System Science Core 20 credits					
<input type="checkbox"/>	ESS 103/103L	4	Environmental Earth Science + Lab		FA/SP
<input type="checkbox"/>	ESS 104/ 104L	4	Weather & Climate Change + Lab		FA/SP
<input type="checkbox"/>	ESS 209	2	Data Analysis Tools	ESS 103, ESS 104, CS 102+ w/Conc	FA/SP
<input type="checkbox"/>	ESS 301	3	Intro to Earth & Atmos Physics	ESS 103, ESS 104, PH 101 or 111, MA 120 or 171	FA/SP
<input type="checkbox"/>	ESS 303	3	Class/Physical Causes Climate	ESS 103, ESS 104, PH 101 or 111, MA 120 or 171	SP
<input type="checkbox"/>	ESS 370	3	Intro to Remote Sensing	ESS 103, ESS 111, ESS 209, PH 111, MA 172, CS 102+	FA/SP
<input type="checkbox"/>	ESS 498	1	Research & Prof Dev Capstone	Junior Standing - 61 credits	FA/SP
Human Dimensions & Societal Impacts Concentration 18 credits					
<input type="checkbox"/>	ESS 210	3	Collapse of Civilizations		FA
<input type="checkbox"/>	ESS 305	3	Hydrology	ESS 103, ESS 104, MA 120 or 171, PH 101 or 111	SP
<input type="checkbox"/>	ESS 313	3	Geographic Information Systems	ESS 103, ESS 209, CS 102 103 or 104	FA/SP
<input type="checkbox"/>	ESS 321	3	Pollution Problems	ESS 103, ESS 104, MA 120 or 171, CH 101 or 121, PH 101 or 111	FA
<input type="checkbox"/>	ESS 402	3	Sci & Soc Aspects/ Natural Disasters	ESS 103, ESS 104	FA
<input type="checkbox"/>	ESS 407	3	Enviro Threats Public Policy/Decision Making	ESS 103	SP
Human Dimensions & Societal Impacts Concentration Electives 12 credits					
<input type="checkbox"/>	ESS 300+	3	ESS 300 or higher	Note: One one of ESS 495, 497, OR 499 may count here	
<input type="checkbox"/>	ESS 300+	3	ESS 300 or higher		
<input type="checkbox"/>	ESS 300+	3	ESS 300 or higher		
<input type="checkbox"/>	Choose 1:	3	BYS 200+, CS 200+, HY 300+, PSC 300+, or SOC 300+		
Elective Courses 20-21 credits					
Elective courses can be taken from any department and do not have to be taken in your major or minor No more than- 4 HPE activity (HPE 100-199) credits count towards the 128 credits.					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
Total = 128 credits to graduate					
39 of the 128 credits must be taken @ 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 Requirement Choices

College Writing I & II	<i>Choose 1</i>	College Writing I & II (EH 101 + 102) Intensive Writing & Studio & Freshman Comp II (EH 101S + 101L & 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	<i>Choose 1</i>	Ancient to Medieval Art (ARH 100) Renaissance to Modern Art (ARH 101) Non-Western Art (ARH 103) Theatre Appreciation (TH 122) Introduction to Drawing (ARS 160) Intro to Music Literature (MU 100)
Literature	<i>Choose 1</i>	Readings Literature/Culture I (EH 207) Readings Literature/Culture II (EH 208) Mythology (EH 242) Honors Literature I (EH 209) Honors Literature II (EH 210)
Humanities Non-Literature	<i>Required</i>	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
Humanities/ Fine Art/ 2nd Literature	<i>Choose 1</i>	Ancient & Medieval Worlds (AMS 229) Intro to Philosophy (PHL 101) Intro to Ethics (PHL 102) Science, Tech & Human Values (PHL 150) Intro to Logic (PHL 201) Intro to Film Studies (FMA 123) Foreign Language (WLC 101) International Cinema (WLC 204) Intro to Women's Studies (WS 200) * see above for Lit & Fine Art Courses
Mathematics	→	Calculus A (MA 171 or MA 171S)
Natural Lab Science Sequence	→	Physics w/ Calculus I & II (PH 111/114 + PH 112/115)
History	<i>Choose 1</i>	World History I (HY 103) World History II (HY 104)
Social & Behavioral Sciences	<i>Choose 2</i>	Macroeconomics (ECN 142) Microeconomics (ECN 143) American Govt (PSC 101) Politics & Foreign Govt (PSC 102) International Relations (PSC 260) World Geography (ESS 105)* Human Geography (ESS 110)* Global systems & cultures (GS 200) Intro to Sociology (SOC 100) Analysis of Social Problems (SOC 102) Intro to Criminology (SOC 103) Sociological Perspective on Tech and Science (SOC 150) General Psychology (PY 101) Life Span Development (PY 201) *Strongly recommended
History or Social & Behavioral Sciences	<i>Choose 1</i>	Take either 2 nd History Course OR 3 rd Social & Behavioral Science
History or Literature Sequence	<i>Required</i>	History: (HY 103 + HY 104) or (HY 221 + HY 222) OR Literature: Any Part I (EH 207, 242, or Honors EH 209) + Any Part II (EH 208 or honors EH 210)
College of Science Requirement Choices		
Computer Science	<i>Choose 1</i>	Intro to Computers & Programming (CS 100) Intro to C Programming (CS 102) Intro to Programming Using JAVA (CS 103) Intro to CS Using Python (CS 104)* - Strongly recommended
Technical Writing	→	Technical Writing (EH 301) Required course for Science Majors

Completed	Course Number	Credits	Course Name	Prerequisites, Corequisites and/or Prerequisites with Concurrency*	Semester Usually Offered
Charger Foundations					
Area I: Freshman Composition 6 credits – see attached for more options					
<input type="checkbox"/>	EH 101	3	College Writing I	Placement*	FA/SP/SU
<input type="checkbox"/>	EH 102	3	College Writing II	EH 101 or EH 101S	FA/SP/SU
<input type="checkbox"/>	EH 103	3	Accelerated College Writing	Placement*	SP
<input type="checkbox"/>	EH 105	3	Honors English Seminar	Honors	FA
Area II: Fine Art and Humanities 12 credits					
<input type="checkbox"/>		3	Fine Art	See attached for choices	
<input type="checkbox"/>		3	Literature	Completion of Area I	
<input type="checkbox"/>	CM 113	3	Public Speaking	REQUIRED (use as Non-Literature Humanity)	FA/SP/SU
<input type="checkbox"/>	*	3	Humanities/Fine Arts/Literature	See attached for choices	
Area III: Math and Natural Science 12 credits					
Math 4 credits					
<input type="checkbox"/>	MA 171	4	Calculus A	MA 113, MA 115 or Level 3 Placement	FA/SP/SU
Lab Science 8 credits					
<input type="checkbox"/>	PH 111/114	3/1	Physics w/ Calculus I + Lab	MA 171	FA/SP/SU
<input type="checkbox"/>	PH 112/115	3/1	Physics w/ Calculus II + Lab	PH 111/114, MA 172	FA/SP/SU
Area IV: History and Social & Behavioral Science 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>	ESS 105	3	World Geography	Strongly Recommended, see attached for choices	SP
<input type="checkbox"/>	ESS 110	3	Human Geography	Strongly Recommended, see attached for choices	FA
<input type="checkbox"/>	*	3	History/Social & Behavioral Science	See attached for choices	
Area V: College of Science Requirements 21 Credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
<input type="checkbox"/>		3	Computer Programming	*See attached for choices	
<input type="checkbox"/>	EH 301	3	Technical Writing	EH 101, EH 102	FA/SP/SU
<input type="checkbox"/>	CH 121/125	3/1	General Chemistry I + Lab	MA 112 or MA 113, 115, 120, 171 w/Conc	FA/SP/SU
<input type="checkbox"/>	MA 172	4	Calculus B	MA 171	FA/SP/SU
<input type="checkbox"/>	MA/ST 281	3	Elements of Statistical Analysis	MA 113, MA 115, or Level 2 Placement	FA/SP
<input type="checkbox"/>	PSC 300	3	Social Science Statistics	3 Hours College Math	SP
Earth System Science Major Requirements 50 credits					
Earth System Science Core 20 credits					
<input type="checkbox"/>	ESS 103/103L	4	Environmental Earth Science + Lab		FA/SP
<input type="checkbox"/>	ESS 104/ 104L	4	Weather & Climate Change + Lab		FA/SP
<input type="checkbox"/>	ESS 209	2	Data Analysis Tools	ESS 103, ESS 104, CS 102+ w/Conc	FA/SP
<input type="checkbox"/>	ESS 301	3	Intro to Earth & Atmos Physics	ESS 103, ESS 104, PH 101 or 111, MA 120 or 171	FA/SP
<input type="checkbox"/>	ESS 303	3	Class/Physical Causes Climate	ESS 103, ESS 104, PH 101 or 111, MA 120 or 171	SP
<input type="checkbox"/>	ESS 370	3	Intro to Remote Sensing	ESS 103, ESS 111, ESS 209, PH 111,	FA/SP
<input type="checkbox"/>	ESS 498	1	Research & Prof Dev Capstone	Junior Standing - 61 credits	FA/SP
GIS and Remote Sensing Concentration 15 credits					
<input type="checkbox"/>	ESS 305	3	Hydrology	ESS 103, ESS 104, PH 101 or 111, MA 120 or 171	SP
<input type="checkbox"/>	ESS 313	3	Geographic Information Systems	ESS 103, ESS 209, CS 102+	FA/SP
<input type="checkbox"/>	ESS 321	3	Pollution Problems	ESS 102, ESS 104, PH 101 or 111, MA 201 or 171,	FA
<input type="checkbox"/>	ESS 408	3	Python for GIS	ESS 203, ESS 313	SP
<input type="checkbox"/>	ESS 414	3	Geospatial Applications	ESS 313	FA
GIS and Remote Sensing Concentration Electives Choose 15 credits					
<input type="checkbox"/>	ESS 307	3	Environmental Archeology	ESS 103	FA
<input type="checkbox"/>	ESS 402	3	Sci & Soc Aspects Natural Disasters	ESS 103, ESS 104	FA
<input type="checkbox"/>	ESS 407	3	Env Threats Public Policy/Decision Making	ESS 103	SP
<input type="checkbox"/>	ESS 408	3	Python for GIS	ESS 203, ESS 313	SP
<input type="checkbox"/>	ESS 415	3	Advanced Topics in GIS	ESS 414	SP
<input type="checkbox"/>	ESS 472	3	Satellite Meteorology	ESS 212, ESS 370	FA
<input type="checkbox"/>	**ESS 495	3	Directed Studies	Dept Approval	FA/SP/SU
<input type="checkbox"/>	**ESS 497	3	Atmos & Earth Science Internship	Dept Approval	FA/SP/SU
<input type="checkbox"/>	**ESS 499	3	UG Research	Dept Approval	FA/SP/SU
See attached for more requirements					
Elective Courses 16 credits					
Elective courses can be taken from any department and do not have to be taken in your major or minor					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
Total = 128 credits to graduate					
39 of the 128 credits must be taken @ 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 Requirement Choices

College Writing I & II	<i>Choose 1</i>	College Writing I & II (EH 101 + 102) Intensive Writing & Studio & Freshman Comp II (EH 101S + 101L & 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	<i>Choose 1</i>	Ancient to Medieval Art (ARH 100) Renaissance to Modern Art (ARH 101) Non-Western Art (ARH 103) Theatre Appreciation (TH 122) Introduction to Drawing (ARS 160) Intro to Music Literature (MU 100)
Literature	<i>Choose 1</i>	Readings Literature/Culture I (EH 207) Readings Literature/Culture II (EH 208) Mythology (EH 242) Honors Literature I (EH 209) Honors Literature II (EH 210)
Humanities Non-Literature	<i>Required</i>	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
Humanities/ Fine Art/ 2nd Literature	<i>Choose 1</i>	Ancient & Medieval Worlds (AMS 229) Intro to Philosophy (PHL 101) Intro to Ethics (PHL 102) Science, Tech & Human Values (PHL 150) Intro to Logic (PHL 201) Intro to Film Studies (FMA 123) Foreign Language (WLC 101) International Cinema (WLC 204) Intro to Women's Studies (WS 200) * see above for Lit & Fine Art Courses
Mathematics	→	Calculus A (MA 171 or MA 171S)
Natural Lab Science Sequence	→	Physics w/ Calculus I & II (PH 111/114 + PH 112/115)
History	<i>Choose 1</i>	World History I (HY 103) World History II (HY 104)
Social & Behavioral Sciences	<i>Choose 2</i>	Macroeconomics (ECN 142) Microeconomics (ECN 143) American Govt (PSC 101) Politics & Foreign Govt (PSC 102) International Relations (PSC 260) World Geography (ESS 105)* Human Geography (ESS 110)* Global systems & cultures (GS 200) Intro to Sociology (SOC 100) Analysis of Social Problems (SOC 102) Intro to Criminology (SOC 103) Sociological Perspective on Tech and Science (SOC 150) General Psychology (PY 101) Life Span Development (PY 201) *Strongly recommended
History or Social & Behavioral Sciences	<i>Choose 1</i>	Take either 2 nd History Course OR 3 rd Social & Behavioral Science
History or Literature Sequence	<i>Required</i>	History: (HY 103 + HY 104) or (HY 221 + HY 222) OR Literature: Any Part I (EH 207, 242, or Honors EH 209) + Any Part II (EH 208 or honors EH 210)

College of Science Requirement Choices

Computer Science	<i>Choose 1</i>	Intro to Computers & Programming (CS 100) Intro to C Programming (CS 102) Intro to Programming Using JAVA (CS 103) Intro to CS Using Python (CS 104)* - Strongly recommended
Technical Writing	→	Technical Writing (EH 301) Required course for Science Majors

Completed	Course Number	Credits	Course Name	Prerequisites, Corequisites and/or Prerequisites with Concurrency*	Semester Usually Offered
Charger Foundations					
Area I: Freshman Composition 6 credits – see attached for more options					
<input type="checkbox"/>	EH 101	3	College Writing I	Placement*	FA/SP/SU
<input type="checkbox"/>	EH 102	3	College Writing II	EH 101 or EH 101S	FA/SP/SU
<input type="checkbox"/>	EH 103	3	Accelerated College Writing	Placement*	SP
<input type="checkbox"/>	EH 105	3	Honors English Seminar	Honors	FA
Area II: Fine Art and Humanities 12 credits					
<input type="checkbox"/>		3	Fine Art	See attached for choices	
<input type="checkbox"/>		3	Literature	Completion of Area I	
<input type="checkbox"/>	CM 113	3	Public Speaking	REQUIRED (use as Non-Literature Humanity)	FA/SP/SU
<input type="checkbox"/>	*	3	Humanities/Fine Arts/Literature	See attached for choices	
Area III: Math and Natural Science 12 credits					
Math 4 credits					
<input type="checkbox"/>	MA 171	4	Calculus A	MA 113, MA 115 or Level 3 Placement	FA/SP/SU
Lab Science 8 credits					
<input type="checkbox"/>	PH 111/114	3/1	Physics w/ Calculus I + Lab	MA 171	FA/SP/SU
<input type="checkbox"/>	PH 112/115	3/1	Physics w/ Calculus II + Lab	PH 111/114, MA 172	FA/SP/SU
Area IV: History and Social & Behavioral Science 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>	ESS 105	3	World Geography	Strongly Recommended, see attached for choices	SP
<input type="checkbox"/>	ESS 110	3	Human Geography	Strongly Recommended, see attached for choices	FA
<input type="checkbox"/>	*	3	History/Social & Behavioral Science	See attached for choices	
Area V: College of Science Requirements 25 Credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
<input type="checkbox"/>		3	Intro to Computer Science	*See attached for choices	
<input type="checkbox"/>	EH 301	3	Technical Writing	EH 101, EH 102	FA/SP/SU
<input type="checkbox"/>	CH 121/125	3/1	General Chemistry I + Lab	MA 112 OR MA 113, 115, 120, 171 w/Conc	FA/SP/SU
<input type="checkbox"/>	MA 172	4	Calculus B	MA 171	FA/SP/SU
<input type="checkbox"/>	MA 201	4	Calculus C	MA 172	FA/SP/SU
<input type="checkbox"/>	MA 238	3	Applied Differential Equations	MA 172, Prereq w. Conc MA 201	FA/SP/SU
<input type="checkbox"/>	MA 385	3	Intro to Probability and Statistics	MA 201	FA/SP/SU
Earth System Science Major Requirements 50 credits					
Earth System Science Core 20 credits					
<input type="checkbox"/>	ESS 103/103L	4	Environmental Earth Science + Lab		FA/SP
<input type="checkbox"/>	ESS 104/ 104L	4	Weather & Climate Change + Lab		FA/SP
<input type="checkbox"/>	ESS 209	2	Data Analysis Tools	ESS 103, ESS 104, CS 102+ w/Conc	FA/SP
<input type="checkbox"/>	ESS 301	3	Intro to Earth & Atmos Physics	ESS 103, ESS 104, PH 101 or 111, MA 120 or 171	FA/SP
<input type="checkbox"/>	ESS 303	3	Class/Physical Causes Climate	ESS 103, ESS 104, PH 101 or 111, MA 120 or 171	SP
<input type="checkbox"/>	ESS 370	3	Intro to Remote Sensing	ESS 103, ESS 111, ESS 209, PH 111, MA 172, CS 102+	FA/SP
<input type="checkbox"/>	ESS 498	1	Research & Prof Dev Capstone	Junior Standing - 61 credits	FA/SP
Atmospheric Science/Meteorology Concentration 19 credits					
<input type="checkbox"/>	ESS 212/212L	4	Severe Weather Analysis	ESS 104	SP
<input type="checkbox"/>	ESS 305	3	Hydrology	ESS 103, ES 104, PH 101 or 11, MA 120 or 171	SP
<input type="checkbox"/>	ESS 321	3	Pollution Problems	ESS 103, ES 104, PH 101 or 11, MA 120 or 171,	FA
<input type="checkbox"/>	ESS 341	3	Thermodynamic Meteorology	ESS 301, CS 102+, Prereqs w/Conc : MA 201, PH 112/115	FA
<input type="checkbox"/>	ESS 351	3	Dynamic Meteorology	PH 111, ESS 209, ESS 301, CS 102+, MA 201 w/Conc	FA
<input type="checkbox"/>	***ESS 408	3	Python for GIS	ESS 203, ESS 313	SP
Atmospheric Science/Meteorology Concentration Electives Choose 11 credits					
<input type="checkbox"/>	***ESS 313	3	Geographic Information Systems	ESS 103, ESS 209, CS 102+	FA/SP
<input type="checkbox"/>	**ESS 352	3	Synoptic Meteorology	ESS 212, ESS 341, ESS 351	SP
<input type="checkbox"/>	***ESS 408	3	Python for GIS	ESS 203, ESS 313	SP
<input type="checkbox"/>	**ESS 410	3	Operational Weather Forecasting	ESS 341, ESS 351, ESS 352	FA
<input type="checkbox"/>	***ESS 414	3	Geospatial Applications	ESS 313	FA
<input type="checkbox"/>	ESS 420	3	Intro Atmos Chem & Air Pollution	ESS 301, ESS 321, PH 112/115, CH 121	SP
<input type="checkbox"/>	ESS 441	3	Atmos Thermo & Cloud Physics	ESS 351, MA 238, PH 112/115	FA
<input type="checkbox"/>	ESS 451	3	Atmospheric Fluid Dynamics I	ESS 351, MA 238, PH 112/115	FA
<input type="checkbox"/>	**ESS 454	3	Forecasting Mesoscale Process	ESS 352	SP
<input type="checkbox"/>	ESS 461	3	Atmospheric Radiation I	ESS 301, MA 238, PH 112/115	SP
<input type="checkbox"/>	ESS 471	3	Intro to Radar Meteorology	ESS 341, ESS 409	SP
<input type="checkbox"/>	ESS 472	3	Satellite Meteorology	ESS 212, ESS 310, ESS 408 or 409 w/Conc	FA
<input type="checkbox"/>	****ESS 495	3	Directed Studies	Dept Approval	FA/SP/SU
<input type="checkbox"/>	****ESS 497	3	Atmos & Earth Science Internship	Dept Approval	FA/SP/SU
<input type="checkbox"/>	****ESS 499	2-4	UG Research	Dept Approval	FA/SP/SU
**ESS 410, ESS 352, ESS 454. Choose at least two of these elective courses to complete the Nat'l Weather Service GS-1340 Federal Civil Service Requirements.					
***ESS 313, ESS 408, and ESS 414. Students may choose 2 of these 3 GIS tools courses to count in the 'choose 11 credits' section.					
****ESS495 or ESS 497 or ESS 499. Students may choose one of these courses to count as an Atmospheric Science/Meteorology concentration elective.					
Elective Courses 11 credits					
Elective courses can be taken from any department and do not have to be taken in your major or minor					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
Total = 128 credits to graduate					
39 of the 128 credits must be taken @ 300 level or higher					

Charger Foundations Requirement Choices		
College Writing I & II	<i>Choose 1</i>	College Writing I & II (EH 101 + 102) Intensive Writing & Studio & Freshman Comp II (EH 101S + 101L & 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	<i>Choose 1</i>	Ancient to Medieval Art (ARH 100) Renaissance to Modern Art (ARH 101) Non-Western Art (ARH 103) Theatre Appreciation (TH 122) Introduction to Drawing (ARS 160) Intro to Music Literature (MU 100)
Literature	<i>Choose 1</i>	Readings Literature/Culture I (EH 207) Readings Literature/Culture II (EH 208) Mythology (EH 242) Honors Literature I (EH 209) Honors Literature II (EH 210)
Humanities Non-Literature	<i>Required</i>	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
Humanities/ Fine Art/ 2nd Literature	<i>Choose 1</i>	Ancient & Medieval Worlds (AMS 229) Intro to Philosophy (PHL 101) Intro to Ethics (PHL 102) Science, Tech & Human Values (PHL 150) Intro to Logic (PHL 201) Intro to Film Studies (FMA 123) Foreign Language (WLC 101) International Cinema (WLC 204) Intro to Women's Studies (WS 200) * see above for Lit & Fine Art Courses
Mathematics	→	Calculus A (MA 171 or MA 171S)
Natural Lab Science Sequence	→	Physics w/ Calculus I & II (PH 111/114 + PH 112/115)
History	<i>Choose 1</i>	World History I (HY 103) World History II (HY 104)
Social & Behavioral Sciences	<i>Choose 2</i>	Macroeconomics (ECN 142) Microeconomics (ECN 143) American Govt (PSC 101) Politics & Foreign Govt (PSC 102) International Relations (PSC 260) World Geography (ESS 105)* Human Geography (ESS 110)* Global systems & cultures (GS 200) Intro to Sociology (SOC 100) Analysis of Social Problems (SOC 102) Intro to Criminology (SOC 103) Sociological Perspective on Tech and Science (SOC 150) General Psychology (PY 101) Life Span Development (PY 201) *Strongly recommended
History or Social & Behavioral Sciences	<i>Choose 1</i>	Take either 2 nd History Course OR 3 rd Social & Behavioral Science
History or Literature Sequence	<i>Required</i>	History: (HY 103 + HY 104) or (HY 221 + HY 222) OR Literature: Any Part I (EH 207, 242, or Honors EH 209) + Any Part II (EH 208 or honors EH 210)
College of Science Requirement Choices		
Computer Science	<i>Choose 1</i>	Intro to Computers & Programming (CS 100) Intro to C Programming (CS 102) Intro to Programming Using JAVA (CS 103) Intro to CS Using Python (CS 104)* - Strongly recommended
Technical Writing	→	Technical Writing (EH 301) Required course for Science Majors

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>