

Completed	Course Number	Credits	Course Name	Prerequisites, Corequisites and/or Prerequisites with Concurrency*	Semester Usually Offered
<b>Charger Foundations</b>					
<b>Area I: Freshman Composition</b> 6 credits – see attached for more options					
<input type="checkbox"/>	EH 101	3	College Writing I	<a href="#">Placement*</a>	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	<a href="#">Placement*</a>	SP
<input type="checkbox"/>	EH 105	3	Honors English Seminar	Honors	FA
<b>Area II: Fine Art and Humanities</b> 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	
<b>Area III: Mathematics and Natural Science</b> 12 credits					
<b>Mathematics</b> 4 credits					
<input type="checkbox"/>	MA 171	4	Calculus A	MA 113, 115, or Level 3 <a href="#">Placement*</a>	FA/SP/SU
<b>Physics</b> 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
<b>Area IV: History and Social &amp; Behavioral Science</b> 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>	*	3	History/Social & Behavioral Science		
<b>Area V: College of Science Requirements</b> 39 credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
<input type="checkbox"/>		3	Computer Science	See attached for choices	
<input type="checkbox"/>	EH 301	3	Technical Writing	EH 101, EH 102, JR Standing (61+ credit hours)	FA/SP/SU
<input type="checkbox"/>	BYS 119	4	Principles of Biology + Lab		
<input type="checkbox"/>	BYS 120	4	Organismal Biology + Lab		FA/SP/SU
<input type="checkbox"/>	MA 172	4	Calculus B	MA 171	FA/SP/SU
<b>Chemistry Major Requirements</b> 37 credits					
<b>Chemistry Core Courses</b> 25 credits					
<input type="checkbox"/>	CH 121M/125	3/1	General Chemistry for Chemists + Lab	MA 112, or MA 113, MA 115 or MA 171 w/con	FA/SP/SU
<input type="checkbox"/>	CH 123/126	3/1	General Chemistry II + Lab	CH 121/125	FA/SP/SU
<input type="checkbox"/>	CH 223/224	3/1	Quantitative Analysis + Lab	CH 123/126	FA/SP
<input type="checkbox"/>	CH 331/335	3/1	Organic Chemistry I + Lab	CH 123/126	FA/SP/SU
<input type="checkbox"/>	CH 332	3	Organic Chemistry II	CH 331, CH 335	FA/SP/SU
<input type="checkbox"/>	CH 361	3	General Biochemistry I	BYS 120, CH 332, CH 335	FA/SP
<input type="checkbox"/>	CH 401	3	Inorganic Chemistry	CH 336	FA
<b>Basic Chemistry Concentration Courses</b> 12 credits					
<input type="checkbox"/>	CH 336	1	Organic Chemistry Lab II	CH 335, Prereq w/ Con Ch 332	FA/SP/SU
<input type="checkbox"/>	CH 341	3	Physical Chemistry I	CH 123, CH 126, MA 201, PH 112	FA
<input type="checkbox"/>	CH 342	3	Physical Chemistry II	CH 341	SP
<input type="checkbox"/>	CH 347	3	Biophysical Chemistry I	CH 332/336, PH 112/115, MA 172	FA
<input type="checkbox"/>	CH 348	3	Biophysical Chemistry II	CH 347	SP
<input type="checkbox"/>	CH 345	1	Experimental Physical Chemistry I	CH 223/224, Prereq w/ con CH 347 or CH341	FA
<input type="checkbox"/>	CH 421	4	Instrumental Analysis	Prereq w/ con CH 345	FA/SP/SU
<b>Elective Courses</b> 5-7 credits					
Elective courses can be taken from any department and do not have to be taken in your major or minor. 11 credits of the total must be taken at 300 level or higher. No more than 4 HPE activity (HPE 100-199) credits count towards the 128 credits.					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<b>Total = 128 credits to graduate</b>					
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**

<b>College Writing I &amp; II</b>	<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)
<b>Fine Arts</b>	<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)
<b>Literature</b>	<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)
<b>Humanities Non-Literature</b>	<i>Required</i>	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
<b>Humanities/ Fine Art/ 2<sup>nd</sup> Literature</b>	<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
<b>Mathematics</b>	→	Calculus A (MA 171 or MA 171S)
<b>Natural Lab Science Sequence</b>	→	Physics w/ Calculus I & II (PH 111/114 + PH 112/115)
<b>History</b>	<i>Choose 1</i>	World History I (HY 103) World History II (HY 104)
<b>Social &amp; Behavioral Sciences</b>	<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)
<b>History or Social &amp; Behavioral Sciences</b>	<i>Choose 1</i>	Take either 2 <sup>nd</sup> History Course <b>OR</b> 3 <sup>rd</sup> Social & Behavioral Science
<b>History or Literature Sequence</b>	<i>Required</i>	History: (HY 103 + HY 104) or (HY 221 + HY 222) <b>OR</b> 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**

<b>Computer Science</b>	<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)
<b>Technical Writing</b>	→	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
<b>Charger Foundations</b>					
<b>Area I: Freshman Composition</b> 6 credits – see attached for more options					
<input type="checkbox"/>	EH 101	3	College Writing I	<a href="#">Placement*</a>	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	<a href="#">Placement*</a>	SP
<input type="checkbox"/>	EH 105	3	Honors English Seminar	Honors	FA
<b>Area II: Fine Art and Humanities</b> 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	
<b>Area III: Mathematics and Natural Science</b> 12 credits					
<b>Mathematics</b> 4 credits					
<input type="checkbox"/>	MA 171	4	Calculus A	MA 113, 115, or Level 3 <a href="#">Placement*</a>	FA/SP/SU
<b>Physics</b> 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
<b>Area IV: History and Social &amp; Behavioral Science</b> 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>	*	3	History/Social & Behavioral Science		
<b>Area V: College of Science Requirements</b> 23 credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
<input type="checkbox"/>		3	Computer Science	See attached for choices	
<input type="checkbox"/>	EH 301	3	Technical Writing	EH 101, EH 102, JR Standing (61+ credit hours)	FA/SP/SU
<input type="checkbox"/>	BYS 119	4	Principles of Biology + Lab		
<input type="checkbox"/>	BYS 120	4	Organismal Biology + Lab		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
<b>Chemistry Major, Pure Chemistry Concentration Requirements</b> 43-45 credits					
<b>Chemistry Core Courses</b> 25 credits					
<input type="checkbox"/>	CH 121/125	3/1	General Chemistry I + Lab	MA 112, or MA 113, 115 or MA 171 w/ con	FA/SP/SU
<input type="checkbox"/>	CH 123/126	3/1	General Chemistry II + Lab	CH 121/125	FA/SP/SU
<input type="checkbox"/>	CH 223/224	3/1	Quantitative Analysis + Lab	CH 123/126	FA/SP
<input type="checkbox"/>	CH 331/335	3/1	Organic Chemistry I + Lab	CH 123/126	FA/SP/SU
<input type="checkbox"/>	CH 332	3	Organic Chemistry II	CH 331 CH 335	FA/SP/SU
<input type="checkbox"/>	CH 361	3	General Biochemistry I	BYS 120, CH 332, CH 335	FA/SP
<input type="checkbox"/>	CH 401	3	Inorganic Chemistry	CH 336	FA
<b>Pure Chemistry Concentration Courses</b> 18-20 credits					
<input type="checkbox"/>	CH 336	1	Organic Chemistry Lab II	CH 335, Prereq w/ Con Ch 332	FA/SP/SU
<input type="checkbox"/>	CH 337	2	Organic Chemistry Lab III	CH 336	FA/SP/SU
<input type="checkbox"/>	CH 341/345	3/1	Physical Chemistry/Exp Phys Chem	CH 123, CH 126, CH 223/224, CH 332/336, MA 201, PH 112	FA
<input type="checkbox"/>	CH 342/346	3/1	Physical Chemistry II/Exp Phys Chem II	CH 341, CH 345	SP
<input type="checkbox"/>	CH 362	1	General Biochemistry Lab I	CH 336 and CH 362 w/ Con	FA/SP
<input type="checkbox"/>	CH 402	1	Inorganic Chemistry Lab	PH 401	SP
<input type="checkbox"/>	CH 421	4	Instrumental Analysis	Prereq w/ Con CH 345	FA/SP/SU
<input type="checkbox"/>	CH 491-493	1-3	Intro to Chemical Research	Prereq w/ Con CH 345	FA/SP/SU
<b>Elective Courses</b> 19-21 credits					
Elective courses can be taken from any department and do not have to be taken in your major or minor. 3-5 credits of the total must be taken at 300 level or higher. No more than 4 HPE activity (HPE 100-199) credits count towards the 128 credits.					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<b>Total = 128 credits to graduate</b>					
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

<b>College Writing I &amp; II</b>	<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)
<b>Fine Arts</b>	<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)
<b>Literature</b>	<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)
<b>Humanities Non-Literature</b>	<i>Required</i>	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
<b>Humanities/ Fine Art/ 2<sup>nd</sup> Literature</b>	<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
<b>Mathematics</b>	→	Calculus A (MA 171 or MA 171S)
<b>Natural Lab Science Sequence</b>	→	Physics w/ Calculus I & II (PH 111/114 + PH 112/115)
<b>History</b>	<i>Choose 1</i>	World History I (HY 103) World History II (HY 104)
<b>Social &amp; Behavioral Sciences</b>	<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)
<b>History or Social &amp; Behavioral Sciences</b>	<i>Choose 1</i>	Take either 2 <sup>nd</sup> History Course <b>OR</b> 3 <sup>rd</sup> Social & Behavioral Science
<b>History or Literature Sequence</b>	<i>Required</i>	History: (HY 103 + HY 104) or (HY 221 + HY 222) <b>OR</b> 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

<b>Computer Science</b>	<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)
<b>Technical Writing</b>	→	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
<b>Charger Foundations</b>					
<b>Area I: Freshman Composition</b> 6 credits – see attached for more options					
	EH 101	3	College Writing I	Placement*	FA/SP/SU
	EH 102	3	College Writing II	EH 101 or EH 101S	FA/SP/SU
	EH 103	3	Accelerated College Writing	Placement*	SP
	EH 105	3	Honors English Seminar	Honors	FA
<b>Area II: Fine Art and Humanities</b> 12 credits					
		3	Fine Art	See attached for choices	
		3	Literature	Completion of Area I	
	CM 113	3	Public Speaking	REQUIRED (use as Non-Literature Humanity)	FA/SP/SU
	*	3	Humanities/Fine Arts/Literature	See attached for choices	
<b>Area III: Mathematics and Natural Science</b> 12 credits					
<b>Mathematics</b> 4 credits					
	MA 171	4	Calculus A	MA 113, 115, or Level 3 Placement*	FA/SP/SU
<b>Physics</b> 8 credits					
	PH 111/114	3/1	Physics w/ Calculus I + Lab	MA 171	FA/SP/SU
	PH 112/115	3/1	Physics w/ Calculus II + Lab	PH 111/114, MA 172	FA/SP/SU
<b>Area IV: History and Social &amp; Behavioral Science</b> 12 credits					
		3	History	See attached for choices	
		3	Social & Behavioral Science		
		3	Social & Behavioral Science		
	*	3	History/Social & Behavioral Science		
<b>Area V: College of Science Requirements</b> 11 credits					
	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
		3	Computer Science	See attached for choices	
	EH 301	3	Technical Writing	EH 101, EH 102, JR Standing (61+ credit hours)	FA/SP/SU
	MA 172	4	Calculus B	MA 171	FA/SP/SU
<b>Chemistry Major Requirements</b> 45-47 credits					
<b>Chemistry Core Courses</b> 25 credits					
	CH 121/125	3/1	General Chemistry I + Lab	MA 112, or MA 113, 115 or MA 171 w/ con	FA/SP/SU
	CH 123/126	3/1	General Chemistry II + Lab	CH 121/125	FA/SP/SU
	CH 223/224	3/1	Quantitative Analysis + Lab	CH 123/12	FA/SP
	CH 331/335	3/1	Organic Chemistry I + Lab	CH 123/126	FA/SP/SU
	CH 332	3	Organic Chemistry II	CH 331, CH 335	FA/SP/SU
	CH 361	3	General Biochemistry I	BYS 120, CH 332, CH 335	FA/SP
	CH 401	3	Inorganic Chemistry	CH 336	FA
<b>Biochemistry Concentration Courses</b> 20-22 credits					
	CH 336	1	Organic Chemistry Lab II	CH 335, Prereq w/ Con CH 332	FA/SP/SU
	CH 347/345	3/1	Biophysical Chem/Exp Phys Chem	CH 223/224, CH 332/336, PH 112/115, MA 172	FA
	CH 348/346	3/1	Biophysical Chem/Exp Phys Chem II	CH 345, CH 347	SP
	CH 362	1	General Biochemistry Lab I	CH 336 AND CH 362 w/ Con	FA/SP
	CH 363/364	3/1	General Biochemistry II	CH 361, CH 362	SP
	CH 402	1	Inorganic Chemistry Lab	CH 401	SP
	CH 421	4	Instrumental Analysis	Prereq w/ Con CH 345	FA/SP/SU
	CH 491-493	1-3	Intro to Chemical Research	Prereq w/ Con CH 345	FA/SP/SU
<b>Biology Courses</b> 23-24 credits					
	BYS 119	4	Principles of Biology + Lab		FA/SP/SU
	BYS 120	4	Organismal Biology + Lab		FA/SP/SU
	BYS 219	4	Genetics and Evolution + Lab	BYS 120, MA 112, CH 101/105 or CH 121/125	FA/SP/SU
	BYS 300	4	Cell & Developmental Biology + Lab	BYS 219, CH 123 or CH 201	FA/SP/SU
	BYS 321	4	General Microbiology I + Lab	Prereq w Conc BY300	FA/SP
<b>Choose 1</b>					
	BYS 430	4	Immunology	BYS 300, BY321, BY3/CH 361/362 w/ Con	SP
	BYS 464	3	Evolution	BYS 120, BY321, BY300 w/ Con	FA
<b>Elective Courses</b> 5-8 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.					
<b>Total = 128 credits to graduate</b>					
39 of the 128 credits must be taken @ 300 level or higher					

All prerequisite classes must be completed with a "C-" or higher grade.

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**Charger Foundations Requirement Choices**

<b>College Writing I &amp; II</b>	<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)
<b>Fine Arts</b>	<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)
<b>Literature</b>	<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)
<b>Humanities Non-Literature</b>	<i>Required</i>	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
<b>Humanities/ Fine Art/ 2<sup>nd</sup> Literature</b>	<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
<b>Mathematics</b>	→	Calculus A (MA 171 or MA 171S)
<b>Natural Lab Science Sequence</b>	→	Physics w/ Calculus I & II (PH 111/114 + PH 112/115)
<b>History</b>	<i>Choose 1</i>	World History I (HY 103) World History II (HY 104)
<b>Social &amp; Behavioral Sciences</b>	<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)
<b>History or Social &amp; Behavioral Sciences</b>	<i>Choose 1</i>	Take either 2 <sup>nd</sup> History Course <b>OR</b> 3 <sup>rd</sup> Social & Behavioral Science
<b>History or Literature Sequence</b>	<i>Required</i>	History: (HY 103 + HY 104) or (HY 221 + HY 222) <b>OR</b> 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**

<b>Computer Science</b>	<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)
<b>Technical Writing</b>	→	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
<b>Charger Foundations</b>					
<b>Area I: Freshman Composition</b> 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
<b>Area II: Fine Art and Humanities</b> 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	
<b>Area III: Mathematics and Natural Science</b> 12 credits					
<b>Mathematics</b> 4 credits					
<input type="checkbox"/>	MA 171	4	Calculus A	MA 113, 115, or Level 3 Placement*	FA/SP/SU
<b>Physics</b> 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
<b>Area IV: History and Social &amp; Behavioral Science</b> 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>	*	3	History/Social & Behavioral Science		
<b>Area V: College of Science Requirements</b> 39 credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
<input type="checkbox"/>		3	Computer Science	See attached for choices	
<input type="checkbox"/>	EH 301	3	Technical Writing	EH 101, EH 102, JR Standing (61+ credit hours)	FA/SP/SU
<input type="checkbox"/>	BYS 119	4	Principles of Biology + Lab		
<input type="checkbox"/>	BYS 120	4	Organismal Biology + Lab		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 (C-), Prereq w/ Con MA 201	FA/SP/SU
<input type="checkbox"/>	MA 244	3	Into to Linear Algebra	MA 172	FA/SP/SU
<input type="checkbox"/>	PH 110	3	Frontiers in Science	Prereq w/ Con MA 171	FA
<input type="checkbox"/>	PH 113/116	3/1	Physics w/Calculus III + Lab	PH 112/115, MA 201	FA/SP/SU
<input type="checkbox"/>	PH 499	3	Physics Practicum		FA/SP/SU
Note: Take one additional 300+ level Physics course (3 credits) if a Physics minor is desired.					
<b>Chemistry Major, Chemical Physics Concentration Requirements</b> 41-43 credits					
<b>Chemistry Core Courses</b> 25 credits					
<input type="checkbox"/>	CH 121/125	3/1	General Chemistry I + Lab	MA 112, or MA 113, MA 115 or MA 171 w/con	FA/SP/SU
<input type="checkbox"/>	CH 123/126	3/1	General Chemistry II + Lab	CH 121/125	FA/SP/SU
<input type="checkbox"/>	CH 223/224	3/1	Quantitative Analysis + Lab	CH 123/126	FA/SP
<input type="checkbox"/>	CH 331/335	3/1	Organic Chemistry I + Lab	CH 123/126	FA/SP/SU
<input type="checkbox"/>	CH 332	3	Organic Chemistry II	CH 331, CH 335	FA/SP/SU
<input type="checkbox"/>	CH 361	3	General Biochemistry I	BYS 120, CH 332, CH 335	FA/SP
<input type="checkbox"/>	CH 401	3	Inorganic Chemistry	CH 336	FA
<b>Chemical Physics Concentration Courses</b> 16-18 credits					
<input type="checkbox"/>	CH 336	1	Organic Chemistry Lab II	CH 335, Prereq w/ Con Ch 332	FA/SP/SU
<input type="checkbox"/>	CH 341/345	3/1	Physical Chemistry/Exp Phys Chem	CH 123, CH 126, CH 223/224, CH 332/336, MA 201, PH 112	FA
<input type="checkbox"/>	CH 342/346	3/1	Physical Chemistry III/Exp Phys Chem II	CH 341, CH 345	SP
<input type="checkbox"/>	CH 362	1	General Biochemistry Lab I	CH 336 and CH 362 w/ Con	FA/SP
<input type="checkbox"/>	CH 402	1	Inorganic Chemistry Lab	PH 401	SP
<input type="checkbox"/>	CH 421	4	Instrumental Analysis	Prereq w/ Con CH 345	FA/SP/SU
<input type="checkbox"/>	CH 491-493	1-3	Intro to Chemical Research	Prereq w/ Con CH 345	FA/SP/SU
<b>Elective Courses</b> 5-7 credits					
Elective courses can be taken from any department and do not have to be taken in your major or minor. 2-4 credits of the total must be taken at 300 level or higher. No more than- 4 HPE activity (HPE 100-199) credits count towards the 128 credits.					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<b>Total = 128 credits to graduate</b>					
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**

<b>College Writing I &amp; II</b>	<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)
<b>Fine Arts</b>	<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)
<b>Literature</b>	<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)
<b>Humanities Non-Literature</b>	<i>Required</i>	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
<b>Humanities/ Fine Art/ 2<sup>nd</sup> Literature</b>	<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
<b>Mathematics</b>	→	Calculus A (MA 171 or MA 171S)
<b>Natural Lab Science Sequence</b>	→	Physics w/ Calculus I & II (PH 111/114 + PH 112/115)
<b>History</b>	<i>Choose 1</i>	World History I (HY 103) World History II (HY 104)
<b>Social &amp; Behavioral Sciences</b>	<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)
<b>History or Social &amp; Behavioral Sciences</b>	<i>Choose 1</i>	Take either 2 <sup>nd</sup> History Course <b>OR</b> 3 <sup>rd</sup> Social & Behavioral Science
<b>History or Literature Sequence</b>	<i>Required</i>	History: (HY 103 + HY 104) or (HY 221 + HY 222) <b>OR</b> 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**

<b>Computer Science</b>	<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)
<b>Technical Writing</b>	→	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
<b>Charger Foundations</b>					
<b>Area I: Freshman Composition</b> 6 credits – see attached for more options					
<input type="checkbox"/>	EH 101	3	College Writing I	<a href="#">Placement*</a>	FA/SP/SU
<input type="checkbox"/>	EH 102	3	College Writing II	EH 101 or EH 101S	FA/SP/SU
<b>Area II: Fine Art and Humanities</b> 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	Intro to Rhetorical Communication	REQUIRED (use as Non-Literature Humanity)	FA/SP/SU
<input type="checkbox"/>	*	3	Humanities/Fine Arts/Literature	See attached for choices	
<b>Area III: Mathematics and Natural Science</b> 12 credits					
<b>Mathematics</b> 4 credits					
<input type="checkbox"/>	MA 171	4	Calculus A	MA 113, 115, or Level 3 <a href="#">Placement*</a>	FA/SP/SU
<b>Physics</b> 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
<b>Area IV: History and Social &amp; Behavioral Science</b> 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>	*	3	History/Social & Behavioral Science		
<b>Area V: College of Science Requirements</b> 19 credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
<input type="checkbox"/>		3	Computer Science	See attached for choices	
<input type="checkbox"/>	EH 301	3	Technical Writing	EH 101, EH 102, JR Standing (61+ credit hours)	FA/SP/SU
<input type="checkbox"/>	MA 172	4	Calculus B	MA 171	FA/SP/SU
<input type="checkbox"/>	BYS 119	4	Principles of Biology + Lab		FA/SP/SU
<input type="checkbox"/>	BYS 120	4	Organismal Biology + Lab	BYS 119	FA/SP/SU
<b>Chemistry Major, Business Concentration Requirements</b> 36 credits					
<b>Chemistry Core Courses</b> 25 credits					
<input type="checkbox"/>	CH 121/125	3/1	General Chemistry I + Lab	MA 112, or MA 113, 115 or MA 171 w/ con	FA/SP/SU
<input type="checkbox"/>	CH 123/126	3/1	General Chemistry II + Lab	CH 121/125	FA/SP/SU
<input type="checkbox"/>	CH 223/224	3/1	Quantitative Analysis + Lab	CH 123/126	FA/SP
<input type="checkbox"/>	CH 331/335	3/1	Organic Chemistry I + Lab	CH 123/126	FA/SP/SU
<input type="checkbox"/>	CH 332	3	Organic Chemistry II	CH 331, CH 335	FA/SP/SU
<input type="checkbox"/>	CH 361	3	General Biochemistry I	BYS 120, CH 332, CH 335	FA/SP
<input type="checkbox"/>	CH 401	3	Inorganic Chemistry	CH 336	FA
<b>Chemical Business Concentration Courses</b> 11 credits					
<input type="checkbox"/>	CH 336	1	Organic Chemistry Lab II		
<b>Choose 1:</b>					
<input type="checkbox"/>	CH 341/345	3/1	Physical Chem/ Exp Phys Chem		
<input type="checkbox"/>	CH 347/345	3/1	Biophysical Chem/ Exp Phy Chem		
<input type="checkbox"/>	CH 362	1	General Biochemistry Lab I		
<input type="checkbox"/>	CH 402	1	Inorganic Chemistry Lab		
<input type="checkbox"/>	CH 421	4	Instrumental Analysis		
<b>Business Minor (required)</b> 22 credits					
<input type="checkbox"/>	ECN 142	3	Principles of Macroeconomics	MA 1XX or higher	FA/SP/SU
<input type="checkbox"/>	ECN 143	3	Principles of Microeconomics	MA 1XX or higher	FA/SP/SU
<input type="checkbox"/>	ACC 210	4	Accounting for Business		FA/SP/SU
<input type="checkbox"/>	MSC 287	3	Business for Statistics I	MA 1XX or higher - see attached for options	FA/SP/SU
<input type="checkbox"/>	FIN 301	3	Principles of Finance	ECN 143, (ACC 210 or 212), Statistics	FA
<input type="checkbox"/>	MGT 301	3	Managing Organizations		FA/SP/SU
<input type="checkbox"/>	MKT 301	3	Principles of Marketing		FA/SP/SU
<b>Elective Courses</b> 10 credits					
Elective courses can be taken from any department and do not have to be taken in your major or minor. 3 of the total credits must be taken at the 300 level or higher. No more than 4 HPE activity (HPE 100-199) credits count towards the 128 credits.					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<b>Total = 128 credits to graduate</b>					
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 Requirements Choices		
College Writing I & II	Choose 1	<ul style="list-style-type: none"> <li>College Writing I &amp; II (EH 101 + 102)</li> <li>Intensive Writing &amp; Studio &amp; Freshman Comp II (EH 101S + 101L &amp; EH 102)</li> <li>Honors English Seminar (EH 105; equivalent to EH 101 &amp; EH 102)</li> <li>Accelerated College Writing (EH 103; equivalent to EH 101 &amp; EH 102)</li> </ul>
Fine Arts	Choose 1	<ul style="list-style-type: none"> <li>Ancient to Medieval Art (ARH 100)</li> <li>Renaissance to Modern Art (ARH 101)</li> <li>Non-Western Art (ARH 103)</li> <li>Theatre Appreciation (TH 122)</li> <li>Introduction to Drawing (ARS160)</li> <li>Intro to Music Literature (MU 100)</li> </ul>
Literature	Choose 1	<ul style="list-style-type: none"> <li>Readings Literature/Culture I (EH 207)</li> <li>Readings Literature/Culture II (EH 208)</li> <li>Mythology (EH 242)</li> <li>Honors Literature I (EH 209)</li> <li>Honors Literature II (EH210)</li> </ul>
Humanities Non-Literature	Required	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
Humanities/ Fine Art/ 2 <sup>nd</sup> Literature	Choose 1	<ul style="list-style-type: none"> <li>Ancient &amp; Medieval Worlds (AMS 229)</li> <li>Intro to Philosophy (PHL 101)</li> <li>Intro to Ethics (PHL 102)</li> <li>Science, Tech &amp; Human Values (PHL 150)</li> <li>Intro to Logic (PHL 201)</li> <li>Intro to Film Studies (FMA 123)</li> <li>Foreign Language (WLC 101)</li> <li>International Cinema (WLC 204)</li> <li>Intro to Women's Studies (WS 200)</li> </ul> <p>* see above for Lit &amp; Fine Art Courses</p>
Mathematics	→	<ul style="list-style-type: none"> <li>Calculus A (MA 171)</li> </ul>
Natural Lab Science Sequence	→	<ul style="list-style-type: none"> <li>Physics w/ Calculus I &amp; II (PH 111/114 + PH 112/115)</li> </ul>
History	Choose 1	<ul style="list-style-type: none"> <li>World History I (HY 103)</li> <li>World History II (HY 104)</li> <li>US History I (HY 221)</li> <li>US History II (HY 222)</li> </ul>
Social & Behavioral Sciences	Choose 2	<ul style="list-style-type: none"> <li><b>Macroeconomics (ECN 142)*</b></li> <li><b>Microeconomics (ECN 143)*</b></li> <li>American Govt (PSC 101)</li> <li>Politics &amp; Foreign Govt (PSC 102)</li> <li>International Relations (PSC 260)</li> <li>World Geography (ESS 105)</li> <li>Human Geography (ESS 110)</li> <li>Global systems &amp; cultures (GS 200)</li> <li>Intro to Sociology (SOC 100)</li> <li>Analysis of Social Problems (SOC 102)</li> <li>Intro to Criminology (SOC 103)</li> <li>Intro to Anthropology (SOC 105)</li> <li>Sociological Perspective on Tech and Science (SOC 150)</li> <li>General Psychology (PY 1010)</li> <li>Life Span Development (PY 201)</li> </ul> <p><b>*Recommended - can be used towards Business minor</b></p>
History or Social & Behavioral Sciences	Choose 1	Take either 2 <sup>nd</sup> History Course <b>OR</b> 3 <sup>rd</sup> Social & Behavioral Science
History or Literature Sequence	Required	History: (HY 103 + HY 104) or (HY 221 + HY 222) <b>OR</b> Literature: Any Part I (EH 207, 242, or Honors EH 209) + Any Part II (EH 208 or honors EH 210)
College of Sciences Requirements Choices		
Computer Science	Choose 1	<ul style="list-style-type: none"> <li>Intro to Computers &amp; Programming (CS 100)</li> <li>Intro to C Programming (CS 102)</li> <li>Intro Prog. Using JAVA (CS 103)</li> <li>Intro to CS Using Python (CS 104)</li> </ul>
Technical Writing	→	Technical Writing (EH 301) Required course for Science Majors
Business Minor		
Statistics	Choose 1	<ul style="list-style-type: none"> <li>Business Statistics I (MSC 287)</li> <li>Intro to Probability &amp; Statistics (MA 385)</li> <li>Probability &amp; Engr. Statistics (ISE 390)</li> <li>Psychological Statistics (PY 300)</li> <li>Statistics/Social Sciences</li> </ul>

Completed	Course Number	Credits	Course Name	Prerequisites, Corequisites and/or Prerequisites with Concurrency*	Semester Usually Offered
<b>Charger Foundations</b>					
<b>Area I: Freshman Composition</b> 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
<b>Area II: Fine Art and Humanities</b> 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	
<b>Area III: Mathematics and Natural Science</b> 12 credits					
<b>Mathematics</b> 4 credits					
<input type="checkbox"/>	MA 171	4	Calculus A	MA 113, 115, or Level 3 Placement*	FA/SP/SU
<b>Physics</b> 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
<b>Area IV: History and Social &amp; Behavioral Science</b> 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>		3	Social & Behavioral Science		
<input type="checkbox"/>	*	3	History/Social & Behavioral Science		
<b>Area V: College of Science Requirements</b> 23 credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
<input type="checkbox"/>		3	Computer Science	See attached for choices	
<input type="checkbox"/>	EH 301	3	Technical Writing	EH 101, EH 102, JR Standing (61+ credit hours)	FA/SP/SU
<input type="checkbox"/>	BYS 119	4	Principles of Biology + Lab		
<input type="checkbox"/>	BYS 120	4	Organismal Biology + Lab		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
<b>Chemistry Major, Environmental Chemistry Concentration Requirements</b> 41-43 credits					
<b>Chemistry Core Courses</b> 25 credits					
<input type="checkbox"/>	CH 121/125	3/1	General Chemistry I + Lab	MA 112, or MA 113, 115 or MA 171 w/ con	FA/SP/SU
<input type="checkbox"/>	CH 123/126	3/1	General Chemistry II + Lab	CH 121/125	FA/SP/SU
<input type="checkbox"/>	CH 223/224	3/1	Quantitative Analysis + Lab	CH 123/126	FA/SP
<input type="checkbox"/>	CH 331/335	3/1	Organic Chemistry I + Lab	CH 123/126	FA/SP/SU
<input type="checkbox"/>	CH 332	3	Organic Chemistry II	CH 331, CH 335	FA/SP/SU
<input type="checkbox"/>	CH 361	3	General Biochemistry I	BYS 120, CH 332, CH 335	FA/SP
<input type="checkbox"/>	CH 401	3	Inorganic Chemistry	CH 336	FA
<b>Environmental Chemistry Concentration Courses</b> 16-18 credits					
<input type="checkbox"/>	CH 336	1	Organic Chemistry Lab II	CH 335, Prereq w/ Con CH 332	FA/SP/SU
<input type="checkbox"/>	CH 341/345	3/1	Physical Chemistry/Exp Phys Chem	CH 123, CH 126, CH 223/224, CH 332/336, MA 201, PH 112	FA
<input type="checkbox"/>	CH 342/346	3/1	Physical Chemistry II/Exp Phys Chem II	CH 341, CH 345	SP
<input type="checkbox"/>	CH 362	1	General Biochemistry Lab I	CH 336 and CH 362 w/ Con	FA/SP
<input type="checkbox"/>	CH 402	1	Inorganic Chemistry Lab	PH 401	SP
<input type="checkbox"/>	CH 421	4	Instrumental Analysis	Prereq w/ Con CH 345	FA/SP/SU
<input type="checkbox"/>	CH 491-493	1-3	Intro to Chemical Research	Prereq w/ Con CH 345	FA/SP/SU
<b>Earth System Science Courses</b> 20 credits					
<input type="checkbox"/>	ESS 103	4	Env Earth Science +Lab		FA/SP
<input type="checkbox"/>	ESS 104	4	Weather and Climate Change + Lab		FA/SP
<input type="checkbox"/>	ESS 301	3	Intro to Earth & Atmospheric Phys	ESS 103, ESS 104, PH101 OR 111, MA 120 OR 171	FA/SP
<input type="checkbox"/>	ESS 305	3	Hydrology	ESS 103, ESS 104, PH 104, MA 171, CH 121/125	SP
<input type="checkbox"/>	ESS 321	3	Pollution Problems	ESS 103, ESS 104, PH 104, MA 171, CH 121/125	FA
<input type="checkbox"/>	ESS 420	3	Intro Atmos Chem and Air Pollution	ESS 301, ESS 321, PH 112/115, CH 121/125	SP
<b>Elective Courses</b> 1-3 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"/>					
<b>Total = 128 credits to graduate</b>					
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**

<b>College Writing I &amp; II</b>	<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)
<b>Fine Arts</b>	<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)
<b>Literature</b>	<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)
<b>Humanities Non-Literature</b>	<i>Required</i>	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
<b>Humanities/ Fine Art/ 2<sup>nd</sup> Literature</b>	<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
<b>Mathematics</b>	→	Calculus A (MA 171 or MA 171S)
<b>Natural Lab Science Sequence</b>	→	Physics w/ Calculus I & II (PH 111/114 + PH 112/115)
<b>History</b>	<i>Choose 1</i>	World History I (HY 103) World History II (HY 104)
<b>Social &amp; Behavioral Sciences</b>	<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)
<b>History or Social &amp; Behavioral Sciences</b>	<i>Choose 1</i>	Take either 2 <sup>nd</sup> History Course <b>OR</b> 3 <sup>rd</sup> Social & Behavioral Science
<b>History or Literature Sequence</b>	<i>Required</i>	History: (HY 103 + HY 104) or (HY 221 + HY 222) <b>OR</b> 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**

<b>Computer Science</b>	<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)
<b>Technical Writing</b>	→	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
<b>Charger Foundations</b>					
<b>Area I: Freshman Composition</b> 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
<b>Area II: Fine Art and Humanities</b> 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	
<b>Area III: Mathematics and Natural Science</b> 16 credits					
<b>Mathematics</b> 8 credits					
<input type="checkbox"/>	MA 171	4	Calculus A	MA 113, 115, or Level 3 Placement*	FA/SP/SU
<input type="checkbox"/>	MA 172	4	Calculus B	MA 171 (C-)	FA/SP/SU
<b>Physics</b> 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
<b>Area IV: History and Social &amp; Behavioral Science</b> 12 credits					
<input type="checkbox"/>		3	History	See attached for choices	
<input type="checkbox"/>	PY 101	3	General Psychology	REQUIRED	FA/SP/SU
<input type="checkbox"/>	PY 201	3	Life Span Development	REQUIRED; Prereq PY 101	FA/SP/SU
<input type="checkbox"/>	*	3	History/Social & Behavioral Science	See attached for choices	
<b>Area V: College of Science Requirements</b> 10 credits					
<input type="checkbox"/>	FYE 101S	1	Charger Success – Science	REQUIRED	FA/SP
<input type="checkbox"/>		3	Computer Science	See attached for choices	
<input type="checkbox"/>	EH 301	3	Technical Writing	EH 101, EH 102, JR Standing (61+ credit hours)	FA/SP/SU
<b>Chemistry Major Requirements</b> 37 credits					
<b>Chemistry Core Courses</b> 25 credits					
<input type="checkbox"/>	CH 121M/125	3/1	General Chemistry for Chemists + Lab	MA 112, or MA 113, MA 115 or MA 171 w/con	FA/SP/SU
<input type="checkbox"/>	CH 123/126	3/1	General Chemistry II + Lab	CH 121/125	FA/SP/SU
<input type="checkbox"/>	CH 223/224	3/1	Quantitative Analysis + Lab	CH 123/126	FA/SP
<input type="checkbox"/>	CH 331/335	3/1	Organic Chemistry I + Lab	CH 123/126	FA/SP/SU
<input type="checkbox"/>	CH 332	3	Organic Chemistry II	CH 331, CH 335	FA/SP/SU
<input type="checkbox"/>	CH 361	3	General Biochemistry I	BYS 120, CH 332, CH 335	FA/SP
<input type="checkbox"/>	CH 401	3	Inorganic Chemistry	CH 336	FA
<b>Chemistry Education Concentration Courses</b> 9 credits					
<input type="checkbox"/>	CH 315	3	Chemistry Teaching Methods	CH 223 or CH 201	FA/SP
Select One Course From Below					
<input type="checkbox"/>	CH 342	3	Physical Chemistry II	CH 341 (C-)	SP
<input type="checkbox"/>	CH 348	3	Biophysical Chemistry II	CH 347 (C-)	SP
<input type="checkbox"/>	CH 363	3	General Biochemistry II	CH 361 (C-)	FA/SP
<input type="checkbox"/>	CH 421	4	Instrumental Analysis	Prereq w/Conc : CH 345	FA/SP/SU
Select Three Courses From Below					
<input type="checkbox"/>	CH 336	1	Organic Chemistry Lab II	CH 331/335, Prereq w/conc CH 332	FA/SP/SU
<input type="checkbox"/>	CH 346	1	Experimental Physical Chem II	CH 345 (C-), Prereq w/conc CH 342 or CH 348	SP
<input type="checkbox"/>	CH 362	1	General Biochemistry Lab	CH 336 and CH 362 w/conc	FA/SP/SU
<input type="checkbox"/>	CH 364	1	General Biochemistry Lab II	CH 361/362 (C-), Prereq w/conc CH 363	FA/SP
<input type="checkbox"/>	CH 402	1	Inorganic Chemistry Lab	CH 401	SP
<input type="checkbox"/>	CH 421	4	Instrumental Analysis	Prereq w/conc CH 346	FA/SP/SU
<b>Additional Requirements</b> 8 credits					
<input type="checkbox"/>	BYS 119	4	Principles of Biology + Lab		FA/SP/SU
<input type="checkbox"/>	BYS 120	4	Organismal Biology + Lab	BYS 119 (D-)	FA/SP/SU

Education (EDUC) Concentration Courses 40 credits					
<input type="checkbox"/>	ED 301	1	Intro to Education	Block 1 +65 hours of field experience	FA/SP
<input type="checkbox"/>	ED 307	3	Multicultural Foundations of Education		FA/SP
<input type="checkbox"/>	ED 308	3	Education Psychology		FA/SP
<input type="checkbox"/>	EDC 301	3	Teaching Exceptional Child		FA/SP
<input type="checkbox"/>	EDC 311	3	Instructional Strategies Inclusive Child		FA/SP
<input type="checkbox"/>	ED 410	3	Foundations of Educational Evaluation	Block 2 +65 hours of field experience	FA/SP
<input type="checkbox"/>	ED 423	2	Teaching Science in Middle & Sec School I		FA/SP
<input type="checkbox"/>	ED 433	2	Teaching Science in Middle & Sec School II		
Select Either ED 350 or ED 309					
<input type="checkbox"/>	ED 350	3	Technology in the Classroom		FA/SP
<input type="checkbox"/>	ED 309	3	Classroom Management	FA/SP	
<input type="checkbox"/>	ED 408	3	Teaching Reading/Content Area	Block 3 +65 hours of field experience	FA/SP
Select Either ED 350 or 309					FA/SP
<input type="checkbox"/>	ED 350	3	Technology in the Classroom		FA/SP
<input type="checkbox"/>	ED 309	3	Classroom Management		FA/SP
<input type="checkbox"/>	ED 497	12	Internship/Student Teaching		Block 4
<b>Total = 128 credits to graduate</b>					
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		
<b>College Writing I &amp; II</b>	<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)
<b>Fine Arts</b>	<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)
<b>Literature</b>	<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)
<b>Humanities Non-Literature</b>	<i>Required</i>	Public Speaking (CM 113) Required course for Science Majors – use as the Non-Literature Humanities
<b>Humanities/ Fine Art/ 2<sup>nd</sup> Literature</b>	<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
<b>Mathematics</b>	→	Calculus A (MA 171 or MA 171S)
<b>Natural Lab Science Sequence</b>	→	Physics w/ Calculus I & II (PH 111/114 + PH 112/115)
<b>History</b>	<i>Choose 1</i>	World History I (HY 103) World History II (HY 104)
<b>Social &amp; Behavioral Sciences</b>	<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)
<b>History or Social &amp; Behavioral Sciences</b>	<i>Choose 1</i>	Take either 2 <sup>nd</sup> History Course <b>OR</b> 3 <sup>rd</sup> Social & Behavioral Science
<b>History or Literature Sequence</b>	<i>Required</i>	History: (HY 103 + HY 104) or (HY 221 + HY 222) <b>OR</b> 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		
<b>Computer Science</b>	<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)
<b>Technical Writing</b>	→	Technical Writing (EH 301) Required course for Science Majors



