THE UNIVERSITY OF ALABAMA IN HUNTSVILLE | **COLLEGE OF SCIENCE**

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					
☐	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
Area II: Humanities and Fine Arts 12 credits					
☐		3	Fine Art	See attached for choices	
☐		3	Literature	Completion of Area I	
☐		3	Non-Literature Humanity	See attached for choices	
☐		3	Humanities/Fine Arts/Literature	See attached for choices	
Area III: Mathematics and Sciences 11-12 credits					
Mathematics 3-4 credits					
☐	MA 112 or higher	3	Precalculus Algebra	Placement	FA/SP/SU
Natural Sciences (Lab) 8 credits					
☐	PH 101/101L (or PH 111/114	4	General Physics I + Lab General Physics w/ Calculus I + Lab	(MA 171)	FA
☐	CH 101/105 (or CS 121/125)	3/1	Intro to Chemistry + Lab (General Chemistry I + Lab)	Placement or MA 112 w/ conc (Placement or MA 113 w/ conc)	FA/SP/SU
Area IV: History and Social & Behavioral Sciences 12 credits					
☐		3	History	See attached for choices	
☐		3	Social & Behavioral Science	See attached for choices	
☐		3	Social & Behavioral Science	See attached for choices	
☐		3	History/Social & Behavioral Science	See attached for choices	
Area V: Pre-Professional					
For Biological Sciences Majors 14 credits					
☐	FYE 101S	1	Charger Success – Science	REQUIRED	FA
☐		3	Intro to Computer Programming	See attached for additional choices	
☐	CH 201/205 (or CH 331/335)	3/1	Elem Organic Chemistry + Lab (Organic Chemistry I + Lab)	CH 101/105 or 121/125 (CH 123/126)	FA/SP/SU
☐		3	Applied Statistics Course	See attached for choices	
☐	EH 301	3	Technical Writing	EH 101, EH 102, Junior standing (61+ credit hours)	FA/SP/SU
Major Requirements					
Biological Sciences Core 18 credits					
☐	BYS 119/121	3/1	Principles of Biology + Lab		FA/SP/SU
☐	BYS 120/122	3/1	Organismal Biology + Lab		FA/SP/SU
☐	BYS 219/221	3/1	Genetics and Evolution + Lab	BYS 119, BYS 120, CH 101 or 121, MA 107 or 112	FA/SP/SU
☐	BYS 300/330L	3/1	Cell & Developmental Biology + Lab	BYS 219, CH 123 or CH 201	FA/SP/SU
☐	BYS 490	2	Senior Capstone	BYS 119, BYS 120, BYS 219, BYS 300, (91+ credit hours)	FA/SP/SU
Biological Sciences Electives Choose 18 credits					
Choose enough BYS courses to reach 18 credit hours.					
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General Electives					
Elective courses can be taken from any department and do not have to be taken in your major or minor.					
Total = 120+ credits to graduate					
36 of the 120 credits must be taken at 300-level or higher.					

The Catalog is the final authority for all degree requirements.

Placement Requirements: https://www.uah.edu/admissions/undergraduate/admitted-students/academic-placement

Revised 4.27.2022

Charger Foundations Choices		
I. Freshman Composition	Choose 1	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)
II. 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)
II. Humanities (Literature)	Choose 1	Readings Literature/Culture I (EH 207) Mythology (EH 242) Readings Literature/Culture II (EH 208) Protest Literature (EH 243) Honors Literature/Culture I (EH 209) Heroes &/or Monsters (EH 244) Honors Literature/Culture II (EH 210) Love &/or Romance (EH 245) Literature Without Borders (EH 241) Speculative Realities (EH 246)
II. Humanities (Non-Literature)	Choose 1	Ancient to Medieval Art (ARH 100) Intro to Philosophy (PHL 101) Renaissance to Modern Art (ARH 101) Intro to Ethics (PHL 102) World Art (ARH 103) Intro to Logic (PHL 103) Introduction to Drawing (ARS 160) Science, Tech & Human Values (PHL 150) Ancient & Medieval Worlds (AMS 229) Theatre Appreciation (TH 122) Public Speaking (CM 113) Intro to Women's Studies (WGS 200) Intro to Film Studies (FMA 123) Foreign Language (WLC 101) Intro to Music Literature (MU 100) International Cinema (WLC 204) Intro to Philosophy (PHL 101)
III. Mathematics	⟶	Precalculus Algebra (MA 112) or higher
III. Natural Sciences (Lab) Sequence	⟶	Intro to Chemistry I (CH 101/105) General Physics I (PH 101/101L)
IV. History	Choose 1	World History I (HY 103) United States to 1877 (HY 221) World History II (HY 104) United States Since 1877 (HY 222)
IV. Social & Behavioral Sciences	Choose 2	World Geography (AES 105) International Relations (PSC 260) Human Geography (AES 110) General Psychology (PY 101) Global systems & Cultures (GS 200) Life Span Development (PY 201) Macroeconomics (ECN 142) Intro to Sociology (SOC 100) Microeconomics (ECN 143) Analysis of Social Problems (SOC 102) American Gov't (PSC 101) Intro to Criminology (SOC 103) Politics & Foreign Govt (PSC 102)
Students must take one literature and one history course. **Students must also take <u>either</u> a second literature <u>or</u> history/social & behavioral science course to complete a sequence.**		
Area II Sequence	Take a 2nd Literature **AND** History or Social & Behavioral Science	
OR		
Area IV Sequence	Take either 2nd History **OR** 3rd Social & Behavioral Science **AND** Fine Arts or Non-Literature Humanities or Literature Humanities	
Area V. Choices		
Computer Programming	Choose 1	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) Coding Algorithms for Biology (BYS 205) Biological Data Skills (BYS 431)
Applied Statistics	Choose 1	Elements of Statistics Analysis (MA 281) Probability & Statistics (MA 385) Psychological Statistics (PY 300) Statistics for Social Sciences (SOC 303)

Strongly recommended.

Optional Concentrations Offered
Biochemistry Concentration
Ecology & Evolution Concentration
Pre-Professional Health Careers Concentration
Please work with your Academic Advisor to determine substitute/additional courses to take if you are interested in a degree with a specific concentration.

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