THE UNIVERSITY OF ALABAMA IN HUNTSVILLE | COLLEGE OF SCIENCE

ABET — Computing Accreditation Commission

Completed	Course Number	Credits	Course Name	Semester Usually Offered
			Charger Foundations	
Choose one:			**Area I: Freshman Composition** 3-6 credits	
☐	EH 101 & EH 102	6	College Writing, I & II*	FA/SP/SU
☐	EH 103	3	Accelerated College Writing*	SP
☐	EH 105	3	Honors English Seminar*	FA
			Area II: Humanities and Fine Arts 12 credits	
☐		3	Fine Art	FA/SP/SU
☐		3	Literature	FA/SP/SU
☐	PHL 102 or 150	3	Non-Literature Humanity – Ethics requirement can double count here	FA/SP/SU
☐		3	Humanities/Fine Arts/Literature	FA/SP/SU
			Area III: Mathematics and Sciences 12 credits	
			Mathematics 4 credits	
☐	MA 171, 171S or MA150 & 151	4	Calculus I Calculus I with Foundations A & B	FA/SP/SU
Choose one sequence:			**Natural Sciences (Lab)** 8 credits	
☐	AES 103/103L & AES 104/104L	4 4	Environmental Earth Science + Lab Weather & Climate Change + Lab	FA/SP/SU
☐	BYS 119/121 & BYS 120/122	3/1 3/1	Principles of Biology + Lab Organismal Biology + Lab	FA/SP/SU
☐	CH 121/125 & CH 123/126	3/1 3/1	General Chemistry I + Lab General Chemistry II + Lab	FA/SP/SU
☐	PH 111/114 & PH 112/115	3/1 3/1	General Physics w/ Calculus I + Lab General Physics w/ Calculus II + Lab	FA/SP/SU
			Area IV: History and Social & Behavioral Sciences 12 credits	
☐		3	History	FA/SP/SU
☐		3	Social & Behavioral Science	FA/SP/SU
☐		3	Social & Behavioral Science	FA/SP/SU
☐		3	History/Social & Behavioral Science	FA/SP/SU
			Area V: Pre-Professional	
			Additional Requirements 24 credits	
☐	FYE 101S	1	Charger Success – Science	FA
☐	CS 104	3	Intro to CS Using Python	FA/SP/SU
☐	PHL 102 or 150	3	Ethics Requirement	FA/SP
☐	EH 301	3	Technical Writing	FA/SP/SU
☐	MA 172	4	Calculus II	FA/SP/SU
☐	MA 201	4	Calculus III	FA/SP/SU
☐	MA 244	3	Intro to Linear Algebra	FA/SP/SU
☐	MA 385	3	Intro to Probability & Statistics	FA/SP/SU
			Major Requirements	
			Computer Science Core 30 credits	
☐	CS 121	3	Computer Science I	FA/SP/SU
☐	CS 214	3	Intro to Discrete Structures	FA/SP/SU
☐	CS 221	3	Computer Science II: Date Structures	FA/SP/SU
☐	CS 309/309L	3	Computer Org & Switching Theory + Lab	FA/SP
☐	CS 317	3	Intro Design/Analysis of Algorithms	FA/SP/SU
☐	CS 321	3	Intro Object-Oriented Prog Java	FA/SP
☐	CS 413/413	3	Intro to Digital Comp Architecture + Lab	FA/SP
☐	CS 424	3	Principles Programming Language	FA/SP/SU
☐	CS 490	3	Intro to Operating Systems	FA/SP
☐	CS 499	3	Sr Project: Team Software Design	FA/SP
			Cybersecurity Concentration Requirements 12 credits	
☐	CS 370	3	Intro to Computer Networks	FA/SP
☐	CS 465	3	Network Security	FA/SP
☐	CS 480	3	Mobile Digital Forensics	FA/SP
☐	CS 485	3	Introduction to Cybersecurity Engineering	FA/SP
			Cybersecurity Concentration Elective Requirements 3+ credits	
			Choose one 300 + or 400+ level CS courses	
☐		3		FA/SP
			General Electives 12 credits	
			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.	
			Total = 120+ credits to graduate	

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

COLLEGE OF SCIENCE

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

ABET — Computing Accreditation Commission

Computer Science, BS
Cybersecurity Concentration
2025-2026 Catalog | catalog.uah.edu

Charger Foundations Choices

Freshman Composition	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)
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)
Literature	Choose 1	Readings Literature/Culture I (EH 207) Mythology (EH 242) Readings Literature/Culture II (EH 208) Heroes &/or Monsters (EH 244) Literature Without Borders (EH 241) Love &/or Romance (EH 245) Protest Literature (EH 243) Speculative Realities (EH 246)
Humanities (Non-Literature)	Choose 2 one must be Ethics requirement	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)
Mathematics	Choose 1	Calculus I (MA 171, 171S) or Calculus I with Foundations A & B (MA 150 & MA 151)
Natural Sciences (Lab) Sequence	Choose one 2-course sequence	Environmental Earth Science (AES 103/103L) **and** Weather & Climate Change (AES 104/104L) Principles of Biology (BYS 119/121) **and** Organismal Biology (BYS 120/122) General Chemistry I (CH 121/125) **and** General Chemistry II (CH 123/126) General Physics w/ Calculus I (PH 111/114) **and** General Physics w/ Calculus II (PH 112/115)
History	Choose 1 or 2	World History I (HY 103) United States to 1877 (HY 221) World History II (HY 104) United States Since 1877 (HY 222)
Social & Behavioral Sciences	Choose 2 or 3	World Geography (AES 105) Politics & Foreign Govt (PSC 102) Human Geography (AES 110) International Relations (PSC 260) Global systems & Cultures (GS 200) General Psychology (PY 101) Macroeconomics (ECN 142) Life Span Development (PY 201) Microeconomics (ECN 143) Intro to Sociology (SOC 100) American Gov't (PSC 101) Intro to Criminology (SOC 103)

Students must take one literature and one history course. **Students must also take <u>either</u> a second literature <u>or</u> history course to complete a sequence.**
Take a 2nd Literature **AND** History or Social & Behavioral Science
Take a 2nd History **AND** Fine Arts or Non-Literature Humanities or Literature Humanities