

COLLEGE OF SCIENCE

Engineering Technology, BS

2024-2025 Catalog | catalog.uah.edu

Completed	Course Number	Credits	Course Name	Semester Usually Offered
			Charger Foundations	
			Area I: Freshman Composition 3-6 credits	
	EH 101&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
		3	Non-Literature Humanity	FA/SP/SU
		3	Humanities/Fine Arts/Literature	FA/SP/SU
			Area III: Mathematics and Sciences 11-12 credits	
			Mathematics 3-4 credits	
	MA 171or 171S	4	Calculus I*	FA/SP/SU
	(MA 150+151)	·	(Calculus I with Foundations A&B)	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	DLI 101/1011	4	Natural Sciences (Lab) 8 credits	FA/SP/SU
	PH 101/101L	4	General Physics I + Lab	
	PH 102/102L	4	General Physics II + Lab OR	FA/SP/SU
	PH 111/114	4	General Physics w/Calculus I + Lab	FA/SP/SU
	PH 112/115	4	General Physics w/ Calculus II + Lab	FA/SP/SU
	111112/113		Area IV: History and Social & Behavioral Sciences 12 credits	17431730
		3	History	FA/SP/SU
		3	Social & Behavioral Science	FA/SP FA/SP/SU
		3	Social & Behavioral Science	FA/SP/SU
		3	History/Social & Behavioral Science	FA/SP/SU
		Ü	Area V: Pre-Professional	17,001,700
			For Engineering Technology Majors 10-12 credits	
	FYE 101S	1	Charger Success - Science	FA
	ENG 101 or CS 104	3	Computer Science	FA/SP/SU
		3	Statistics	FA/SP/SU
			Engineering Technology Core 40 credits	
	ET 101	3	Engineering Technology Foundations I	FA/SP
	ET 302	3	Engineering Technology Foundation II	FA/SP
	ET 305	3	Engineering Communications	FA/SP
	ET 310	3	CAD Design	FA/SP
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	ET 314	3	Quality Control Techniques	FA/SP
	ET 334	3	Prin of Statics for Eng Tech	FA/SP
	ET 335	3	Strength of Materials for Eng Tech	FA/SP
	ET 336	3	Prin of Dynamics for Eng Tech	SP/SU
	ET 341	3	Intro Electrical Systems & Circuits	FA/SP
	ET 431	3	Fundamentals of Manufacturing	FA/SP
	ET 433/434	4	Instrument & Msrmt Sys & Lab	FA/SP
	ET 498	3	Project Management for Engineering Technology	FA/SP
	ET 499	3	Capstone for Engineering Technology	SP
			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. 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

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Charger Foundations Choices							
I. Freshman Composition	Choose 1	College Writing, I & II (EH 101 + 102) or (EH 101 + 101L & 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) Readings Literature/Culture II (EH 208) Literature Without Borders (EH 241) Mythology (EH 242)	Protest Literature (EH 243) Heroes &/or Monsters (EH 244) Love &/or Romance (EH 245) Speculative Realities (EH 246)				
II. Humanities (Non-Literature)	Choose 1	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 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)				
III. Mathematics	\rightarrow	Calculus I MA 171 or MA 171S or MA 150 & 151					
III. Natural Sciences (Lab) Sequence	→	General Physics I (PH 101/101L) and General Physics II (PH 102/102L) or General Physics w/ Calculus I (PH 111/114) and General Physics w/ Calculus II (PH 112/115)					
IV. History	Choose 1	World History I (HY 103) World History II (HY 104)	United States to 1877 (HY 221) United States Since 1877 (HY 222)				
IV. Social & Behavioral Sciences	Choose 2	World Geography (AES 105) Human Geography (AES 110) 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) Analysis of Social Problems (SOC 102) Intro to Criminology (SOC 103)				
V. Pre-Professional		Computer Science: Choose one course from: CS 104/Intro to CS Using Python OR EGR 101 Intro to Computing-Engineers	Statistics: Choose one course from: MSC 287/Business Statistics I, MA 181/Intro to Statistics, MA 281/Elements of Statistical Analysis, PY 300/Psychological Statistics, SOC 303/Statistics for Social Sciences, MA 385/Intro Probability & Statistics, or ISE 390/Probability & Engineering Statistics I				
	Students must take one literature and one history course.						
Area II Sequence	Students must also take <u>either</u> a second literature <u>or</u> history course to complete a sequence. Area II Sequence Take a 2 nd Literature AND History or Social & Behavioral Science						
OR	· · · · · · · · · · · · · · · · · · ·						
Area IV Sequence Take a 2 nd History AND Fine Arts or Non-Literature Humanities or Literature Humanities							
Take a 2 Theory							