

Student A#				Student Name (Last, First)			Offered: F=Fall S=Spr M=Sum
Semester, Transfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency		
English - 6 hours							
		EH 101	3	College Writing I	Placement		FSM
		EH 102	3	College Writing II	EH 101		FSM
Mathematics - 15 hours							
		MA 171	4	Calculus A	MA 113 or Level III Placement		FSM
		MA 172	4	Calculus B	MA 171		FSM
		MA 201	4	Calculus C	MA 172		FSM
		MA 238	3	Applied Differential Equations	Prereq w/Con: MA 201		FSM
Chemistry - 18 hours							
		CH 121	3	General Chemistry I	Plcmt or Prereq w/Con: MA 113		FSM
		CH 125	1	General Chemistry Lab I	Prereq w/Con: CH 121		FSM
		CH 123	3	General Chemistry II	CH 121; Prereq w/Con: CH 126		FSM
		CH 126	1	General Chemistry Lab II	CH 125, Prereq w/Con: CH 123		FSM
		CH 331	3	Organic Chemistry I	CH 123		FSM
		CH 335	1	Organic Chemistry Lab I	CH 126, Prereq w/Con: CH 331		FSM
		CH 332	3	Organic Chemistry II	CH 331		FSM
		CH 351	3	Physical Chemistry in Practice	ENG 101, CH 123, MA 201, (PH 112 or CHE 201)		S
Physics - 8 hours							
		PH 111	3	General Physics w/Calculus I	MA 171; Coreq: 114		FSM
		PH 114	1	General Physics Lab I	Prereq w/Con: PH 111		FSM
		PH 112	3	General Physics w/Calculus II	MA 172, PH 111, PH 114; Coreq: 115		FSM
		PH 115	1	General Physics Lab II	Coreq: PH 112		FSM
Biology - 3 hours							
		BYS 311	3	Intro to Molecular Biological Systems	CH 331		S
History, Social & Behavioral Sciences, Humanities & Fine Arts - 18 hours							
			3	History	For more information on HSBS/HFA Requirements: http://www.uah.edu/eng/departments/ undergraduate-engineering/student-forms		FSM
			3	Literature			FSM
			3	Fine Art			FSM
			3	Social & Behavioral Science			FSM
			3	Sequence Course (HY or EH)			FSM
			3	HSBS/HFA			FSM
Engineering - 4 hours							
		FYE 101	1	Charger Success: Engineering	None		FS
		EGR 101	3	Computing for Engineers	Prereq w/Con: MA 113		FSM
		EGR 299	0	Engineering Mentoring I	EGR 101, Prereq w/Con: MA 201		FS
		EGR 399	0	Engineering Mentoring II	EGR 299, CHE 244		FS
Chemical Engineering - 46 hours							
		CHE 201	2	Intro to Chemical Engineering Processes	Prereq w/Con: EGR 101, CH 123		F
		CHE 244	3	Intro to Chemical Engineering Systems	PH 111, CH 123, CHE 201, Prereq w/Con: MA 201		S
		MAE 271	3	Statics	EGR 101, PH 111; Prereq w/Con: MA 201		FSM
		CHE 294	3	Nature & Properties of Materials	CH 123, CH 126, PH 111, PH 114		F
		CHE 295	1	Nature & Properties of Materials Lab	Coreq: CHE 294		F
		CHE 342	3	Transport Phenomena	CH 351, CHE 244; Prereq w/Con: MAE 310		S
		CHE 344	3	Chemical Engineering Thermodynamics	CH 351, CHE 244		F
		MAE 310	3	Fluid Mechanics I	MA 238, MAE/CE 271		FSM
		CHE 347	3	Quantitative Modeling for Chemical Engrs	CHE 244, MA 238		F
		CHE 439	2	Unit Operations Lab I	CHE 295; Prereq w/Con: CHE 441		S
		CHE 440	2	Unit Operations Lab II	CHE 439, CHE 441; Prereq w/Con: CHE 443		F
		CHE 441	3	Chemical Kinetics & Reactor Design	CHE 344, CHE 347		S
		CHE 443	3	Mass Transfer Operations	CHE 347, CHE 342, CHE 344, MAE 310		F
		CHE 445	3	Chemical Process Control	CHE 441, CHE 446		S
		CHE 446	3	Analysis & Design of Transport Equipment	CHE 342; Prereq w/Con: CHE 443		F
		CHE 448	3	Chemical Engineering Design	EGR 399, CHE 441, CHE 443, CHE 446; Prereq w/Con: CHE 445		S
		CHE 485	3	Process Safety and Toxicology	CHE 441, CHE 443, CHE 446		S
Chemical Engineering Electives - 9 hours							
		CH 361	3	General Biochemistry I	BYS 311, CH 332, CH 335		FSM
		CHE 460	3	Introduction to Bioprocess Engineering	CH 361		F
		CHE 461	3	Bioseparations	CHE 460		S
		CH 440	3	Polymer Synthesis & Characterization	CH 332		F
		CHE 494	3	Applied Materials Engineering	CHE 294, CHE 344		S
		CHE 495	3	Polymer Engineering	CH 351, CH 440		F
Technical Elective - 3 hours							
			3		EE 213, ISE 390, CE 456, or course approved by Department		

Select One Con: Biotech, Materials

All prerequisite classes must be completed with a "C-" or higher grade.
 The Catalog is the final authority for all degree requirements.