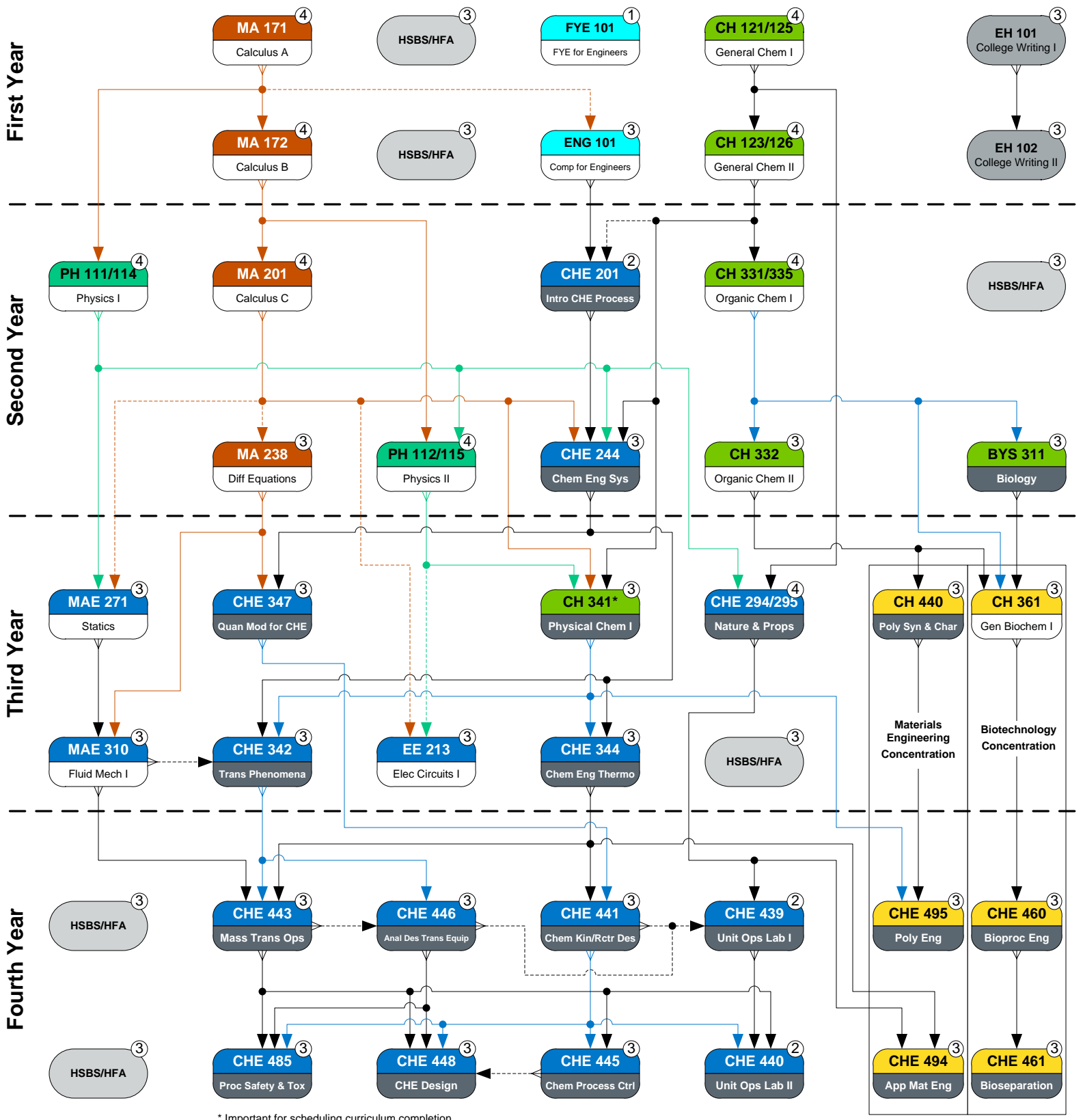


Student A#				Student Name (Last, First MI)		Offered: F=Fall S=Spr M=Sum
Semester, Transfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency	
English - 6 hours						
		EH 101	3	College Writing I	Placement	FSM
		EH 102	3	College Writing II	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 341	3	Physical Chemistry I	CH 123, MA 201, PH 112, PH 115	F
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	HY 103, HY 104, HY 221, or HY 222	FSM
			3	Literature	EH 207 or EH 208	FSM
			3	Fine Art	ARH 100, ARH 101, ARH 103, TH 122, MU 100, or ARS 160	FSM
			3	Social & Behavioral Science	For more information on HSBS/HFA Requirements: http://www.uah.edu/eng/departments/undergraduate-engineering/student-forms	FSM
			3	Sequence Course (HY or EH)		FSM
			3	HSBS/HFA		FSM
First-Year Engineering - 4 hours						
		FYE 101	1	First-Year Experience for Engineers	None	FS
		ENG 101	3	Computing for Engineers	Prereq w/Con: MA 171	SM
Chemical Engineering - 49 hours						
		CHE 201	2	Intro to Chemical Engineering Processes	ENG 101; Prereq w/Con: CH 123	F
		EE 213	3	Electrical Circuit Analysis I	Prereq w/Con: PH 112, MA 201	FSM
		CHE 244	3	Intro to Chemical Engineering Systems	PH 111, CH 123, CHE 201, MA 201	S
		MAE 271	3	Statics	ENG 101, PH 111; Prereq w/Con: MA 201	FSM
		CHE 294	3	Nature & Properties of Materials	CH 121, PH 111	F
		CHE 295	1	Nature & Properties of Materials Lab	Coreq: CHE 294	F
		CHE 342	3	Transport Phenomena	CHE 341, CHE 244; Prereq w/Con: MAE 310	S
		CHE 344	3	Chemical Engineering Thermodynamics	CH 341, CHE 244	S
		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, CHE 446	F
		CHE 440	2	Unit Operations Lab II	CHE 439, CHE 441, CHE 443	S
		CHE 441	3	Chemical Kinetics & Reactor Design	CHE 344, CHE 347	F
		CHE 443	3	Mass Transfer Operations	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	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						
Select One Con Biotech Materials		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 341, CH 440	F	

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

Academic Flowchart

Chemical Engineering 2017/2018 (130 Hours)



* Important for scheduling curriculum completion.

Legend Updated: 6/1/17	Mathematics	First Year Engineering	Freshman Comp	Credit Hours
	Physics	Chemical Engineering Option	History, Social & Behavioral Science Humanity & Fine Art	Prerequisite
	Chemistry / Biology	Concentration Electives	Offered only in semester listed	Prereq w/concurrency

Chemical Engineering Department: 4-Year Rolling Class Schedule, Fall 2017 - Spring 2021*

	Fall 2017	Anticipated Sections	Spring 2018	Anticipated Sections	Fall 2018	Spring 2019	Fall 2019	Spring 2020	Fall 2020	Spring 2021
CHE 201 Intro to Chem Eng Pro	N	0	N	0	Y	Y	Y	Y	Y	Y
CHE 244 Intro to CHE Systems	N	0	Y	1	N	Y	N	Y	N	Y
CHE 294 Nature/Prop of Materials	Y	1	N	0	Y	N	Y	N	Y	N
CHE 295 Nature/Prop of Matrls Lab	Y	3	N	0	Y	N	Y	N	Y	N
CHE 342 Transport Phenomena	N	0	Y	1	N	Y	N	Y	N	Y
CHE 344 Chem Eng Thermo	N	0	Y	1	N	Y	N	Y	N	Y
CHE 347 Quantitative Modeling	Y	1	N	0	Y	N	Y	N	Y	N
CHE 439 Unit Operations I	Y	2	N	0	Y	N	Y	N	Y	N
CHE 440 Unit Operations II	N	0	Y	3	N	Y	N	Y	N	Y
CHE 441 Chem Kinetics/Reactor Des	Y	1	N	0	Y	N	Y	N	Y	N
CHE 443 Mass Transfer Operations	Y	1	N	0	Y	N	Y	N	Y	N



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CHE 445 Chemical Process Control	N	0	Y	1	N	Y	N	Y	N	Y
CHE 446 Analy/Des of Trans Equip	Y	1	N	0	Y	N	Y	N	Y	N
CHE 448 Chemical Eng Design	N	0	Y	1	N	Y	N	Y	N	Y
CHE 460 Intro to Bioprocess Eng	Y	1	N	0	Y	N	Y	N	Y	N
CHE 461 Bioprocess Eng	N	0	Y	1	N	Y	N	Y	N	Y
CHE 485 Process Safety/Toxicology	N	0	Y	1	N	Y	N	Y	N	Y
CHE 494 Applied Materials Engineering	N	0	Y	1	N	Y	N	Y	N	Y
CHE 495 Polymer Engineering	Y	1	N	0	Y	N	Y	N	Y	N

Legend

Y	Course will be offered in designated term.
E	Course is expected to be offered in designated term, but availability will be determined by faculty availability and budget.
N	Course will not be offered in designated term.
D	Course may be made available given appropriate demand or interest.

* UAH College of Engineering will make every effort to adhere to the class plan schedule, but it reserves the right to make necessary adjustments based on budget and faculty availability.