

Name (Last, First MI)

Student A#

Student Signature (For graduation)

Semester, Transfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency	F=Fall S=Spring M=Summer
English - 6 hours						
		EH 101	3	Freshman Composition I	Placement	FSM
		EH 102	3	Freshman Composition II	EH 101	FSM
Mathematics - 15 hours						
		MA 171	4	Calculus A	MA 113 or MA 115 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	CH 101 or Plcmt, MA 112, Prereq w/Con: MA 113 or 115, Coreq: CH 125	FSM
		CH 125	1	General Chemistry Lab I	Coreq: CH 121	FSM
		CH 123	3	General Chemistry II	CH 121, Prereq w/Con: CH 126	FSM
		CH 126	1	General Chemistry Lab II	Coreq: CH 123	FSM
		CH 331	3	Organic Chemistry I	CH 123, CH 126	FSM
		CH 335	1	Organic Chemistry Lab I	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	F
Biology - 3 hours						
		BYS 201	3	Intro to Molecular Biological Systems	CH 123	S
Physics - 8 hours						
		PH 111	3	General Physics w/Calculus I	MA 171	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	FSM
		PH 115	1	General Physics Lab II	Prereq w/Con: PH 112	FSM
History, Social & Behavioral Sciences - 9 hours						
		HY	3	History	See History, Social & Behavioral Science (HSBS) List; available in Engineering Advising Office, EB 157.	FSM
			3		Must have six hour sequence in either HSBS or HFA.	FSM
			3			FSM
Humanities & Fine Arts - 9 hours						
		EH	3	Literature	See Humanities & Fine Art (HFA) List; available in Engineering Advising Office, EB 157.	FSM
			3	Fine Arts		FSM
			3		Must have six hour sequence in either HSBS or HFA.	FSM
Engineering Core - 12 hours						
		CHE 197	3	Computer Methods for Chemical Engineers	Level II Math Placement or Coreq: MA 112	F
		CHE 244	3	Intro to Chemical Engineering Systems	CH 123, CHE 197, PH 111	S
		CHE 294	3	Nature & Properties of Materials	CH 121, PH 111	FM
		CHE 344	3	Chemical Engineering Thermodynamics	CHE 244, CH 341	SM
Chemical Engineering Option - 47 hours						
		MAE 271	3	Statics	PH 111, Prereq w/Con: MA 201	FSM
		EE 213	3	Electrical Circuit Analysis I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244 or MAE 285)	FSM
		ISE 321	3	Engineering Economy	Sophomore Standing	FSM
		CHE 295	1	Nature & Properties of Materials Lab	Prereq w/Con: CHE 294	FM
		MAE 310	3	Fluid Mechanics I	MA 238, MAE/CE 271 & (MAE 285 or CPE 112 or CHE 197)	FSM
		CHE 342	3	Transport Phenomena	CHE 244, Prereq w/Con: MAE 310	S
		CHE 347	3	Quantitative Modeling for Chemical Engrs	CHE 197, CHE 244, MA 238	SM
		CHE 439	2	Unit Operations Lab I	BYS 201, CHE 295, Prereq w/Con: CHE 441, CHE 443, 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	FS
		CHE 443	3	Mass Transfer Operations	CHE 342, CHE 344, MAE 310	F
		CHE 445	3	Chemical Process Control	CHE 347, CHE 441, MA 238	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
		CH 361	3	General Biochemistry I	BYS 201, CH 332, CH 335	FSM
		CH 362	1	General Biochemistry Lab I	Prereq w/Con: CH 361	FSM
		CH 363	3	General Biochemistry II	CH 361	S
		CHE 460	3	Introduction to Bioprocess Engineering	CH 362, CH 363	F
		CHE 461	3	Bioseparations	CH 362, CH 363, CHE 460	S
		CH 342	3	Physical Chemistry II	CH 341	S
		CH 346	1	Experimental Physical Chemistry II	CHE 295, Prereq w/Con: CH 342 or CH 348	S
		CH 440	3	Polymer Synthesis & Characterization	CH 331	F
		CHE 494	3	Applied Materials Engineering	CHE 294, CH 342 or CH 348	S
		CHE 495	3	Polymer Engineering	CH 341, CH 440	F

Select One Concentration
Biotechnology
Materials Eng

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

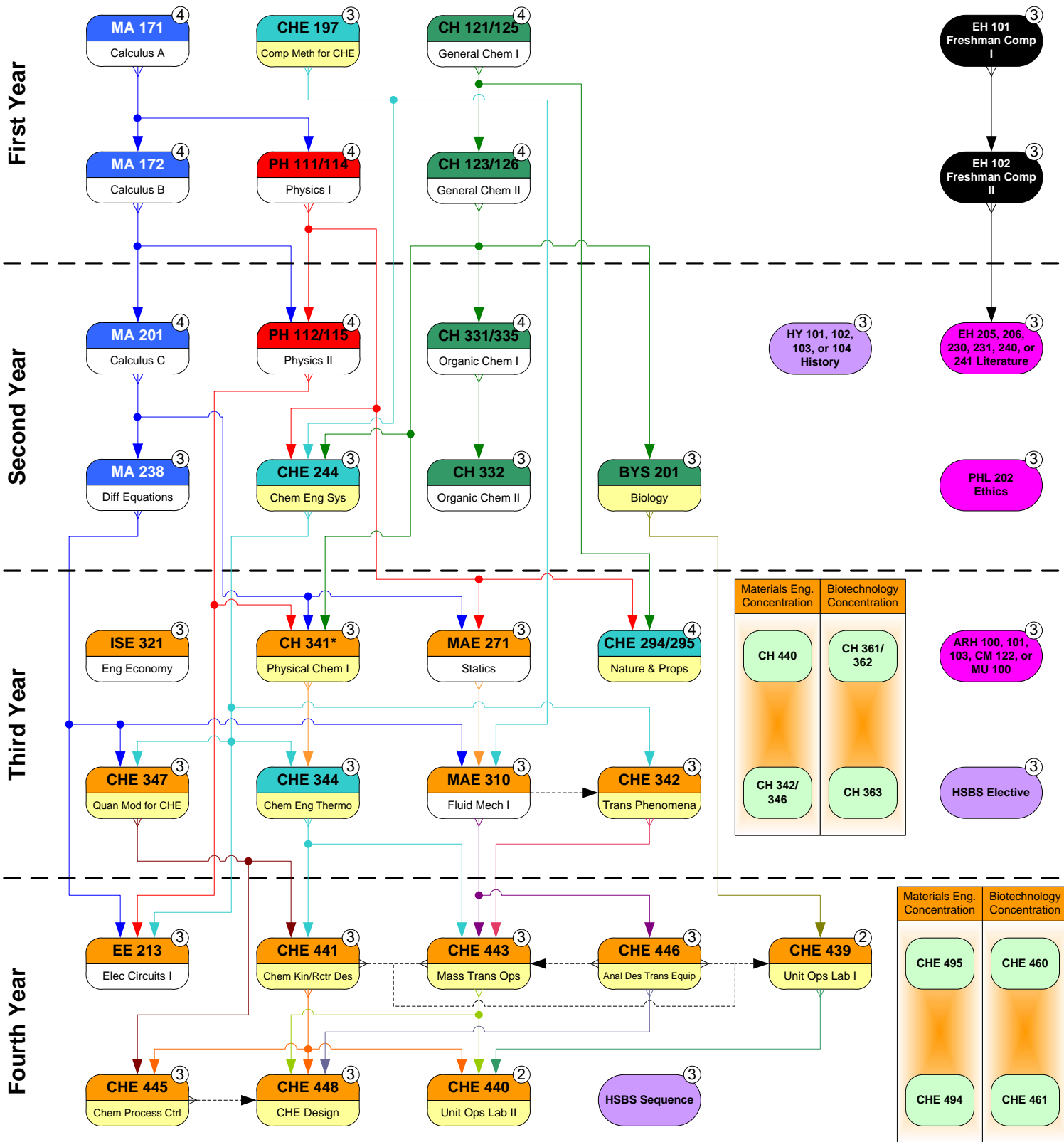
APPROVALS:					
Advisor	Date	Department Chair	Date	Dean of Engineering/Designee	Date

Updated: October 24, 2011

Chemical Engineering Program 2011/2012 (131 Hours)

UAHuntsville

Chemical Engineering Program 2010/2011 (131 Hours)



* Important for scheduling curriculum completion.

Legend		Freshman Comp		Hum. & Fine Arts
		Mathematics		Engineering Core
		Chemistry / Biology Core		Chemical Eng. Option
		Physics		Offered only in that semester
		History, Social & Behavioral Sciences		Credit Hours
		Prerequisite		Prereq w/concurrency

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Department	CHE	Prepared by	Barbie Boles	Date	8/31/11
Program	Chemical Engineering Program	Approved by		Date	8/31/11