UAH
The University of Alabama in Huntsville

Name (Last, First MI) _____ A _____ Student ID Number _____ Student Signature (for graduation)

Chemical Engineering Program 2007/2009 (131 Hours)

	Semester, Transfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or with Concurrency Prerequisites	Offered: 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
**	Class has required recitation section				**Chemistry - 15 hours**		
			CH 121	3	General Chemistry I	CH 101 or Placement, MA 113, Co-req: CH 125	FSM
			CH 125	1	General Chemistry Lab I	Prereq w/Con: CH 121	FSM
			CH 123	3	General Chemistry II	CH 121, Co-req: CH 126	FSM
			CH 126	1	General Chemistry Lab II	Prereq w/Con: CH 123	FSM
**			CH 331	3	Organic Chemistry I	CH 123, CH 126, Coreq: CH 331R	FSM
			CH 335	1	Organic Chemistry Lab I	Prereq w/Con: CH 331	FSM
**			CH 332	3	Organic Chemistry II	CH 331, Coreq: CH 332R	FSM
					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, Coreq: PH 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, Coreq: PH 115	FSM
			PH 115	1	General Physics Lab II	Prereq w/Con: PH 112	FSM
					History, Social & Behavioral Sciences - 9 hours		
			HY	3	History	Must take a six hour sequence in a discipline. See Humanities &	FSM
				3		Fine Arts List at http://www.eng.uah.edu/StudentAffairs/forms.php. Also	FSM
				3		available at the Engineering Student Affairs office, EB 157.	FSM
					Humanities & Fine Arts - 9 hours		
			EH	3	Literature	See History, Social & Behavioral Sciences list at	FSM
				3	Fine Arts	http://www.eng.uah.edu/StudentAffairs/forms.php. Also available	FSM
			PHL 202	3	Intro to Ethics	at the Engineering Student Affairs office, EB 157.	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 - 54 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	MA 172, Sophomore Standing	FSM
			CHE 295	1	Nature & Properties of Materials Lab	Prereq w/Con: CHE 294	FM
			CH 341	3	Physical Chemistry I	CH 123, MA 201, PH 112	F
			CHE 347	3	Quantitative Modeling for Chemical Engrs	CHE 244, MA 238	SM
			MAE 310	3	Fluid Mechanics I	MA 238, MAE/CE 271 & MAE 285 or CPE 112 or CHE 197	FSM
			CHE 439	2	Unit Operations Lab I	BYS 201, 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	F
			CHE 342	3	Transport Phenomena	CHE 244, Prereq w/Con: MAE 310	S
			CHE 443	3	Mass Transfer Operations	CHE 342, CHE 344, MAE 310	F
			CHE 445	3	Chemical Process Control	CHE 347, CHE 441	S
			CHE 446	3	Analysis & Design of Transport Equipment	MAE 310, Prereq w/Con: CHE 443	F
			CHE 448	3	Chemical Engineering Design	CHE 441, CHE 443, CHE 446, Prereq w/Con:CHE 445	S
Select One Concentration: Biotechnology			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
Materials Eng			CH 342	3	Physical Chemistry II	CH 341	S
			CH 346	1	Experimental Physical Chemistry II	CHE 295, Prereq w/Con: CH 342	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

ENGINEERING

APPROVALS:

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

Version 1
September 17, 2007

Advisor	Date	Department Chair	Date	Dean of Engineering	Date