

Student A#

Student Name (Last, First MI)

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 - 18 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
		MA 244	3	Introduction to Linear Algebra	MA 172	FSM
Chemistry - 8 hours						
		CH 121	3	General Chemistry I	Plcmt or CH 101, MA 113 or 115, Prereq w/Con: MA 171, 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
Biology - 4 hours						
		BYS 119	4	Principles of Biology	None	FSM
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; http://www.uah.edu/eng/center-for-undergrad-eng-edu/student-forms	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; http://www.uah.edu/eng/center-for-undergrad-eng-edu/student-forms	FSM
			3	Fine Arts		FSM
			3		Must have six hour sequence in either HSBS or HFA.	FSM
Engineering Core - 12 hours						
		CE 271	3	Statics	PH 111, Prereq w/Con: MA 201	FSM
		ISE 321	3	Engineering Economy	Sophomore Standing	FSM
		MAE 310	3	Fluid Mechanics I	MA 238, MAE/CE 271 & (MAE 285 or CPE 112 or CHE 197)	FSM
		MAE 341	3	Thermodynamics I	MA 201, CH 121, CH 125, PH 112	FSM
**	Class has required lab section					
Civil Engineering Option - 58 hours						
		CE 101	1	Prelude to Civil Engineering	None	F
**		CPE 112	3	Intro to Computer Programming in Engineering	MA 113, MA 115 or Level III Placement, Coreq: CPE 112L	FSM
		CE 111	2	Civil Engineering Graphics	MA 112 or Level II Placement, Freshman CE Standing	FS
		CE 272	3	Dynamics	CPE 112, CE/MAE 271	FSM
		CE 284	2	Surveying	Prereq w/Con: CE 101, CE 111, or Instr/Advsr Approval	F
		CE 321	3	Transportation Engineering & Design	CE 284, MA 171	S
**		CE 370	4	Mechanics of Materials	CPE 112, CE/MAE 271, Coreq: CE 370L	FSM
		CE 372	3	Soil Mechanics	CE/MAE 370, Prereq w/Con: MAE 310	FS
		CE 373	1	Soil Mechanics Lab	Coreq: CE 372	FS
		CE 380	3	Civil Engineering Materials	CE/MAE 370	FS
		CE 381	3	Structural Analysis I	CE/MAE 272, CE/MAE 370	FM
		ISE 390	3	Probability & Engineering Statistics I	Prereq w/Con: MA 201	FSM
		CE 422	3	Traffic Engineering Design	CE 321	S
		CE 441	3	Hydraulic Engineering Design	MAE 310	S
		CE 449	3	Intro to Environmental Engineering	CH 123, CH 126, MAE 341, Prereq w/Con: MAE 310	F
		CE 483	3	Reinforced Concrete Design	CE 380, CE 381	F
		CE 485	3	Foundation Engineering	CE 372, CE 483	S
		CE 498	1	Civil Engineering Design I	ISE 321, CE 321, Prereq w/Con: CE 372	F
		CE 499	2	Civil Engineering Design II	CE 483, CE 498 Coreq: CE 499L (FE Review)	S
		CE 481	3	Structural Analysis II	CE 381	S
		CE 484	3	Steel Design	CE 381	F
		CE 487	3	Bridge Design	CE 483	S
		CE 473	3	Earth Structures Engineering	CE 372, CE 373	F
		CE 456	3	Water Quality Control Processes	CE 449	S
		CE 457	3	Hydrology	MAE 310	F
		CE 458	3	Environmental Engineering Design	Prereq w/Con: CE 449	S
		CE 411	3	Intro to Geographical Information Systems	Senior Standing or Instructor Approval	F
		CE 412	3	Advanced CE Graphics	CE 111	M
		CE 420	3	Urban Transportation Planning	CE 321	F
		CE	3			
		CE	3	Choose from CE 411, CE 412 CE 420, CE 456, CE 457, CE 458, CE 473, CE 481, CE 484, CE 487		
		CE	3			

All prerequisite classes must be completed with a "C" or higher grade.

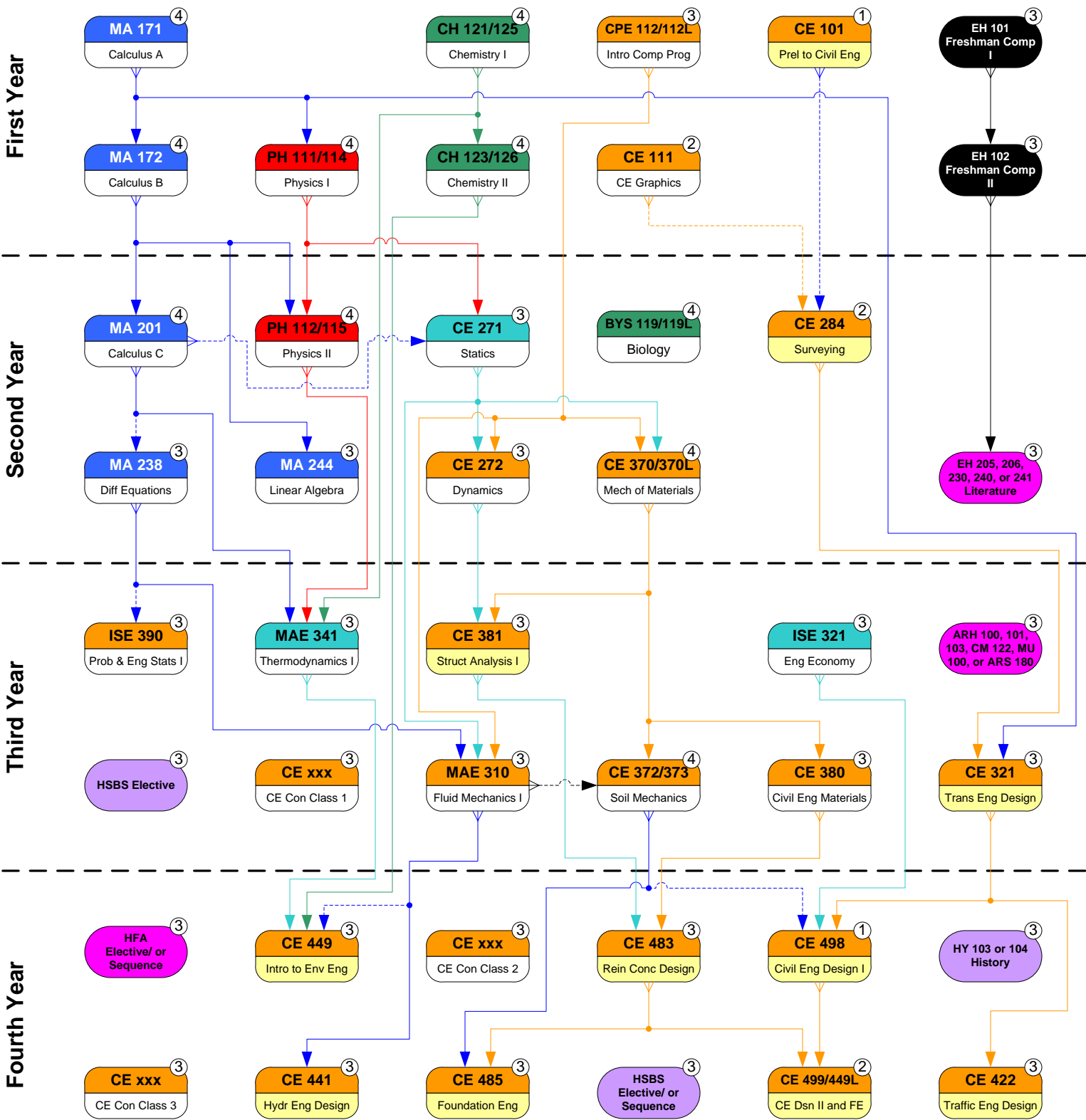
The Catalog is the final authority for all degree requirements.

Updated: 9/24/2012

Civil Engineering Program 2012/2013 (132 Hours)

UAHuntsville

Civil Engineering Program 2012/2013 (132 Hours)



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



Department Civil & Environmental	Prepared by Jacob Kerstiens	Date 9/24/12
Program Civil Engineering Program	Approved by	Date