

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
<b>English - 6 hours</b>						
		EH 101	3	Freshman Composition I	Placement	FSM
		EH 102	3	Freshman Composition II	EH 101	FSM
<b>Mathematics - 18 hours</b>						
		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
<b>Chemistry - 8 hours</b>						
		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
<b>Biology - 4 hours</b>						
		BYS 119	4	Principles of Biology	None	FSM
<b>Physics - 8 hours</b>						
		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
<b>History, Social &amp; Behavioral Sciences - 9 hours</b>						
		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
<b>Humanities &amp; Fine Arts - 9 hours</b>						
		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
<b>Engineering Core - 12 hours</b>						
		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
<b>Civil Engineering Option - 58 hours</b>						
**		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	S
		CE 373	1	Soil Mechanics Lab	Coreq: CE 372	S
		CE 380	3	Civil Engineering Materials	CE/MAE 370	FS
		CE 381	3	Structural Analysis I	CE/MAE 272, CE/MAE 370	F
		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 381	F
		CE 485	3	Foundation Engineering	CE 372, CE 483	S
		CE 498	1	Civil Engineering Design I	CE 321, CE 372, ISE 321	F
		CE 499	2	Civil Engineering Design II	CE 498, Coreq: CE 499L (FE Review)	S
		CE 481	3	Structural Analysis II	CE 381	S
		CE 473	3	Earth Structures Engineering	CE 372, CE 373	F
		CE 487	3	Bridge Design	CE 483	S
		CE 484	3	Steel Design	CE 381	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	-	M
		CE 420	3	Urban Transportation Planning	CE 321	F
		CE	3			
		CE	3	Choose from CE 411, CE 420, CE 456, CE 457, CE 458, CE 473, CE 481, CE 484, CE 487		

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
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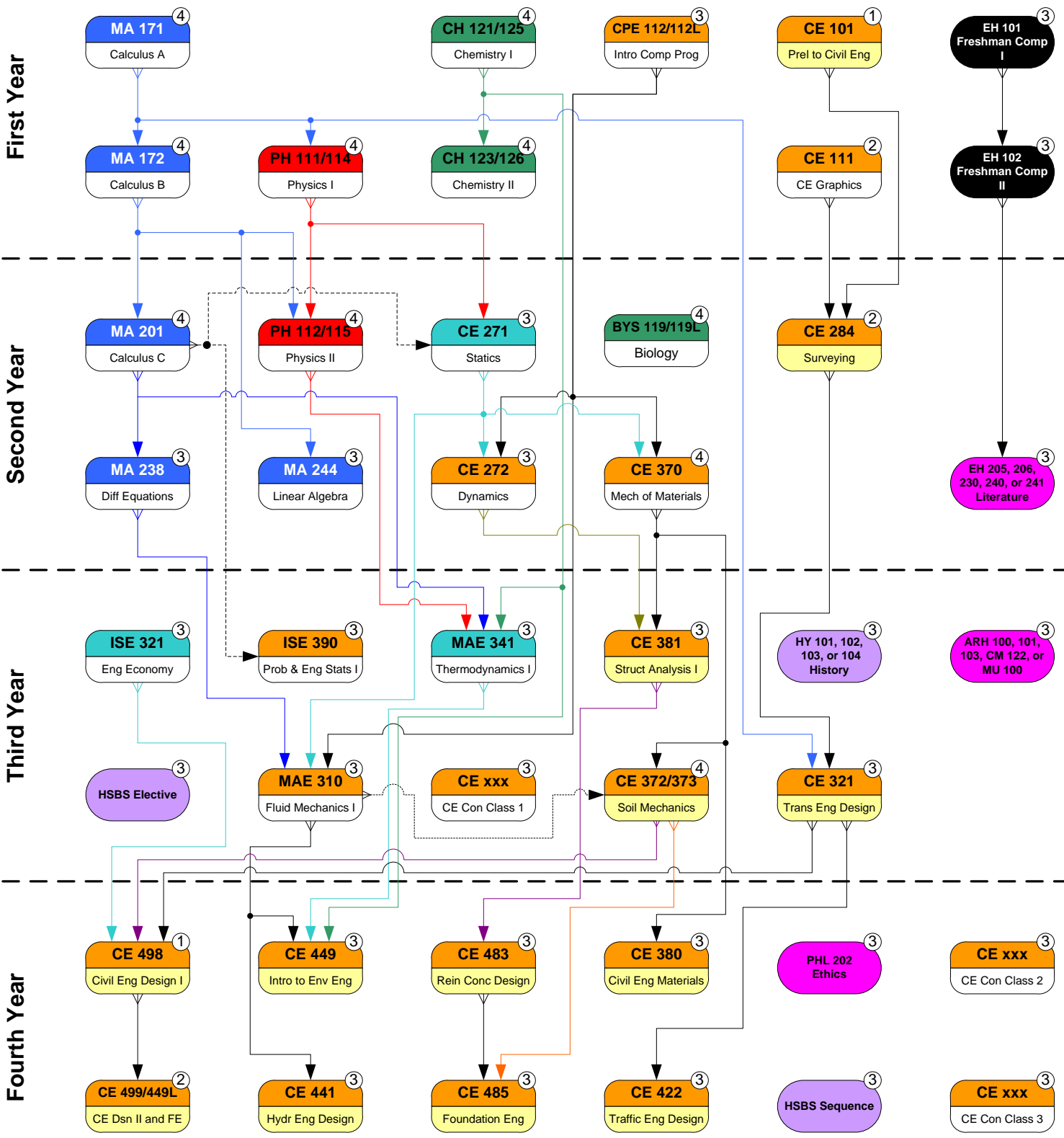
Updated: October 24, 2011

Civil Engineering Program 2011/2012 (132 Hours)

UAHuntsville

ENGINEERING

# Civil Engineering Program 2010/2011 (132 Hours)



**Legend**

- Black box: Freshman Comp
- Blue box: Mathematics
- Green box: Chemistry / Biology Core
- Red box: Physics
- Purple box: History, Social & Behavioral Sciences
- Pink box: Hum. & Fine Arts
- Cyan box: Engineering Core
- Orange box: Civil Engineering Option
- Yellow box: Offered only in that semester
- Circle with 3: Credit Hours
- Solid arrow: Prerequisite
- Dashed arrow: Prereq w/concurrency



Department	CE	Prepared by	Barbie Boles	Date	8/31/11
Program	Civil Engineering Program	Approved by		Date	