

Student A#

Student Name (Last, First MI)

Offered:  
F=Fall  
S=Spring  
M=Summer

Computer Engineering Program 2012/2013 (128 Hours)

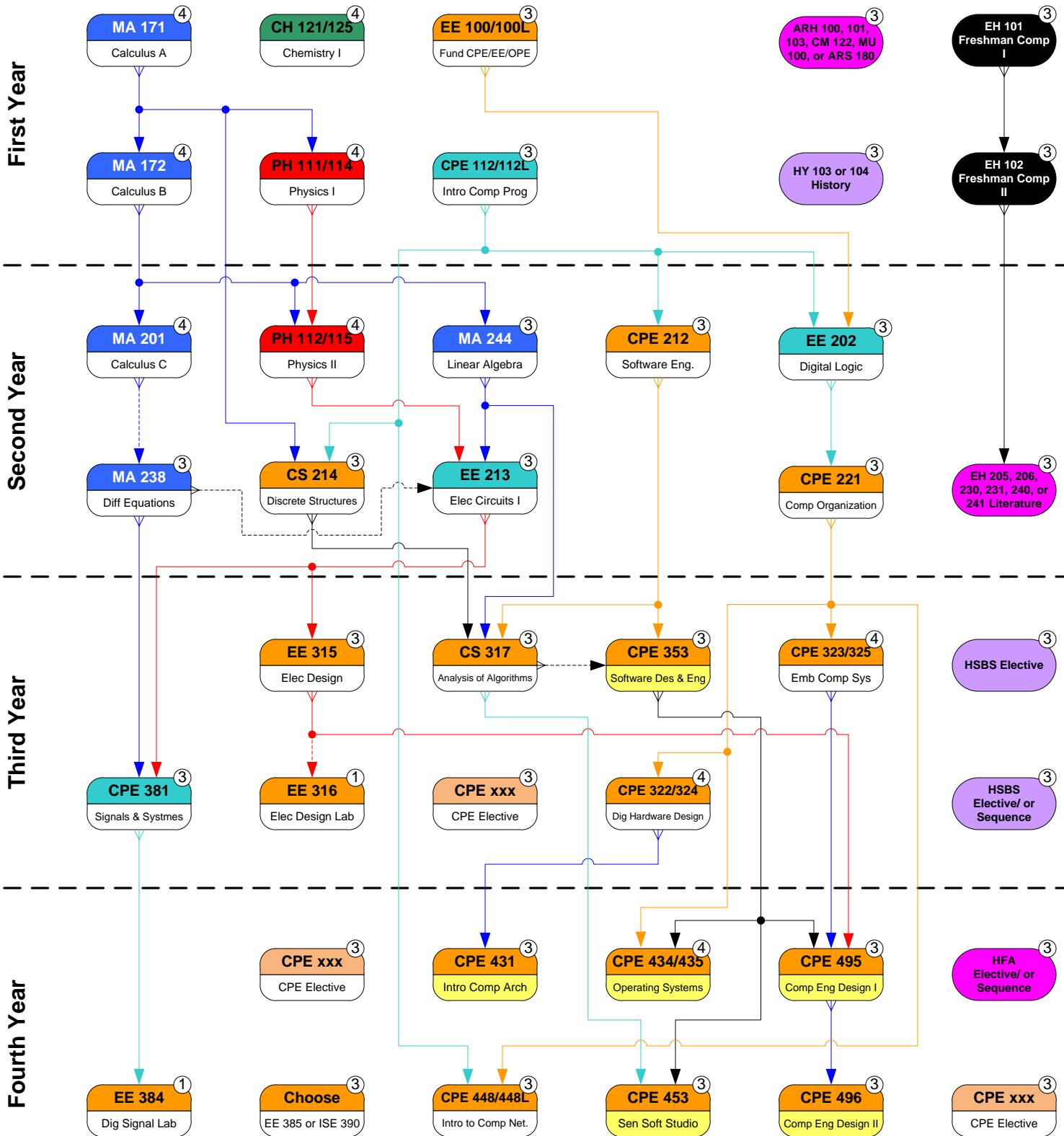
Semester, Transfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency	Offered:
<b>English - 6 hours</b>						
		EH 101	3	Freshman Composition I	Placement	FSM
		EH 102	3	Freshman Composition II	EH 101	FSM
<b>Mathematics - 18 hours</b>						
		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 - 4 hours</b>						
		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
<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: <a href="http://www.uah.edu/eng/center-for-undergrad-eng-edu/student-forms">http://www.uah.edu/eng/center-for-undergrad-eng-edu/student-forms</a>	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: <a href="http://www.uah.edu/eng/center-for-undergrad-eng-edu/student-forms">http://www.uah.edu/eng/center-for-undergrad-eng-edu/student-forms</a>	FSM
			3	Fine Arts	Must have six hour sequence in either HSBS or HFA.	FSM
			3			FSM
**	<b>Class has required lab section Engineering Core - 12 hours</b>					
**		CPE 112	3	Intro to Computer Programming in Engineering	MA 113, MA 115 or Level III Placement, Coreq: CPE 112L	FSM
		EE 202	3	Intro to Digital Logic Design	CPE 112, EE 100	FSM
		EE 213	3	Electrical Circuit Analysis I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244 or MAE 285)	FSM
		CPE 381	3	Fundamentals of Signals & Sys for Comp Engrs	EE 213, MA 238	FS
<b>Computer Science - 6 hours</b>						
		CS 214	3	Intro to Discrete Structures	CPE 112, MA 171	FSM
		CS 317	3	Design & Analysis of Algorithms	CS 214, CPE 212, MA 244	FSM
**	<b>Class has required lab section Computer Engineering Option - 47 hours</b>					
**		EE 100	3	Fund of Computer, Electrical & Optical Eng	Prereq w/Con: MA 112, Coreq: EE 100L	FSM
		CPE 212	3	Fundamentals of Software Engineering	CPE 112	FS
		CPE 221	3	Computer Organization	EE 202	FSM
		CPE 322	3	Digital Hardware Design Fundamentals	CPE 221, Coreq: CPE 324	S
		CPE 324	1	Digital Hardware Design Lab	Coreq: CPE 322	S
		EE 315	3	Introduction to Electronic Analysis and Design	EE 213	FSM
		EE 316	1	Electronic Measurements & Devices Design Lab	Prereq w/Con: EE 315	FS
		CPE 323	3	Intro to Embedded Computer Systems	CPE 221, Coreq: CPE 325	FS
		CPE 325	1	Lab Component of Intro of CE 323	Coreq: CPE 323	FS
		CPE 353	3	Software Design & Engineering	CPE 212, Prereq w/Con: CS 317	F
		EE 384	1	Digital Signal Processing Laboratory	CPE 381 or Prereq w/Con:EE 383	FS
Select One		EE 385	3	Random Signals and Noise	CPE 381 or EE 382	FSM
		ISE 390	3	Probability & Engineering Statistics I	Prereq w/Con: MA 201	FSM
		CPE 431	3	Intro to Computer Architecture	CPE 322, CPE 324	F
		CPE 434	3	Operating Systems	CPE/EE 221, CPE 353, Coreq: CPE 435	F
		CPE 435	1	Operating Systems Lab	Coreq: CPE 434	F
		CPE 448	3	Introduction to Computer Networks	CPE 112, CPE 221	FS
		CPE 453	3	Senior Software Studio	CS 317, CPE 353	S
		CPE 495	3	Computer Engineering Design I	CPE 323, CPE 353, EE 315	F
		CPE 496	3	Computer Engineering Design II	CPE 495	S
<b>Computer Engineering Electives - 9 hours</b>						
			3		300 - level or above approved by advisor.	
			3			
			3			

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

Updated: 9/5/2012

UAHuntsville

# Computer Engineering Program 2012/2013 (128 Hours)



**Legend**

- Freshman Comp
- Mathematics
- Chemistry
- Physics
- History, Social & Behavioral Sciences
- Hum. & Fine Arts
- Engineering Core
- Computer Eng Option
- Offered that Semester Only
- Electives
- ③ Credit Hours
- Prerequisite
- - - - -> Prereq w/concurrency



Department	Prepared by	Date
Electrical & Computer	Jacob Kerstiens	6/8/12
Program	Approved by	Date
Computer Engineering Program		