Electrical Engineering Program 2013/2014 (128 Hours)

UAHuntsville

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	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 - 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 - 4 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
					Physics - 12 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
			PH 113	3	General Physics w/Calculus III	MA 201, PH 112	FSM
			PH 116	1	General Physics Lab III	Prereq w/Con: PH 113	FSM
					History, Social & Behavioral Sciences, Humaities & Fine Arts - 15 hours		
				3	HSBS	Choose 3 hours: History, Social or Behavior Science	FSM
				3	HFA	Choose 3 hours: Literature or Fine Art	FSM
				3		Choose 3 hour courses of HSBS/HFA that you have met prerequisites, from ARH, ARS*, CM, EH, ECN*, FL, GS, GY, HY, MU, PHL, PSC, PY, SOC, WS	
				3			
				3			
					General Education Electives - 3 hours		
						Choose up to 3 hours of electives (Ex. FYE 101): Any courses that you have met prerequisites, and are not remedial coursework for Engineering curriculum.	
					Engineering Core - 12 hours		
			EE 213	3	Electrical Circuit Analysis I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244)	FSM
			ISE 321	3	Engineering Economy	Sophomore Standing	FSM
			EE 310	3	Solid State Fundamentals	PH 113, Prereq w/Con: MA 238	FS
			EE 382	3	Analytical Meth for Continuous Time Sys	EE 213, MA 238	FSM
**	Class has required lab section				**Electrical Engineering Option - 43 hours**		
**			EE 100	3	Fund of Computer, Electrical & Optical Eng	Prereq w/Con: MA 112, Coreq: EE 100L	FSM
**			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 203	1	Digital Logic Design Lab	EE 202	FSM
			CPE 221	3	Computer Organization	EE 202	FSM
			EE 307	3	Electricity and Magnetism	EE 213	FSM
			EE 308	3	Electromagnetic Engineering	EE 307	FS
			EE 313	3	Electrical Circuit Analysis II	EE 213	FSM
			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
			EE 383	3	Analytical Meth for Mult and Discr Time Sys	EE 382	FSM
			EE 384	1	Digital Signal Processing Laboratory	CPE 381 or Prereq w/Con:EE 383	FS
			EE 385	3	Random Signals and Noise	CPE 381 or EE 382	FSM
			EE 386	3	Introduction to Control and Robotic Systems	CPE 381 or EE 382	FSM
			EE 494	3	EE Design Projects	EE 308, EE 310, EE 313, EE 315, EE 383, EE 385, EE 386, CPE 323, ISE 321	FS
					Electrical Engineering Electives - 12 hours		
				3	T1	Track: _____	
				3	T2	(Must take a 2 course track in one area.)	
				3		300 - level or above ECE course only	
				3		300 - level or above ECE course only	
					Technical Elective - 3 hours		
				3		200 - level or above Science or Engineering course	

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

Updated: 7/11/2013

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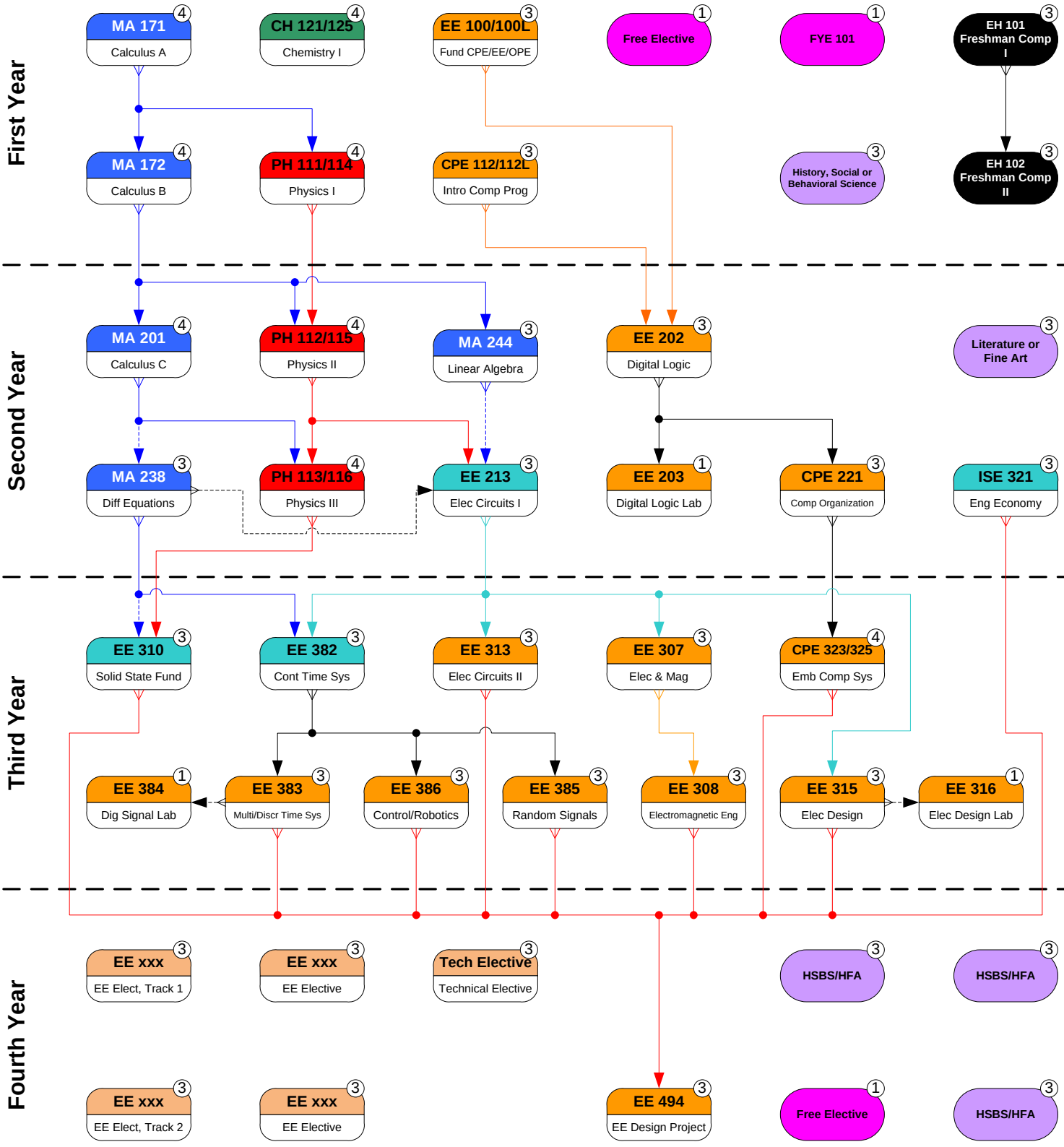

Legend

- Freshman Comp
- Mathematics
- Chemistry
- Physics
- History, Social & Behavioral Science, Humanities & Fine Arts
- Free Electives
- Engineering Core
- Electrical Eng. Option
- Electives
- (3) Credit Hours
- Prerequisite
- Prereq w/concurrency

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

Department: Electrical & Computer	Prepared by: Jacob Kerstiens	Date: 8/8/13
Program: Electrical Engineering	Approved by:	Date:

College of Engineering Pathways

Electrical Engineering 2013-2014 Plan

	Curriculum Pathway	Research Pathway	Internship Pathway	Co-op Pathway	

Miletone Year-1

[ ] 33 hours completed including:	[ ] Meet with Faculty to discuss pathway choices
MA 171, CH 121/125, EE 100,	[ ] Meet with Career Development
HSBS/HFA, FYE 101, EH 101, Free Elec	[ ] Attend Career Services Workshop on Resume
MA 172, PH 111/114, CPE 112,	[ ] Outline Resume
HSBS/HFA, EH 102	[ ] Participate in Career Fair

Milestone Year-2

[ ] 67 hours completed including:	[ ] Meet with Faculty for Undergraduate research opportunities
MA 201, PH 112/115, MA 244,	[ ] Attend Career Services Workshop on Interviews
EE 202, HSBS/HFA	[ ] Professional Resume
MA 238, PH 113/116, EE 213,	[ ] Attend Career Fair
CPE 221, EE 203, ISE 321	[ ] Co-op/Internship Offer (Summer Start)

Milestone Year-3

Research Pathway	Internship Pathway	Co-op Pathway
[ ] 100 hours completed including:	[ ] 100 hours completed from Curriculum Pathway	[ ] Obtain Faculty Mentor
EE 310, EE 382, EE 313,	[ ] Summer Internship	[ ] 96 hours completed including:
EE 307, CPE 323, CPE 325		Work Semester (Summer)
EE 315, EE 383, EE 386,		EE 310, EE 382, EE 313,
EE 385, EE 308, EE 384, EE 316		EE 307, CPE 323, CPE 325 (Fall)
[ ] Undergraduate Research		Work Semester (Spring)
[ ] Attend JUMP Information Session		EE 315, EE 383, EE 386,
		EE 385, EE 316 (Summer)
		[ ] 2 Semesters of Co-op

Milestone Year-4

Research Pathway	Internship Pathway	Co-op Pathway
[ ] 128 hours completed including:	[ ] 128 hours completed from Curriculum Pathway	[ ] 112 hours completed including:
EE Track 1, EE Elec, Tech Elec,	[ ] Summer Internship	Work Semester (Fall)
HSBS/HFA, HSBS/HFA	[ ] Senior Design Complete	EE 308, EE 384, EE Elec, EE Elec
EE Track 2, EE Elec, EE 494,	[ ] Degree Complete	Tech Elec, HSBS/HFA (Spring)
HSBS/HFA, Free Elec	[ ] Begin Career or Graduate School	Work Semester (Summer)
[ ] Undergraduate Research Complete		[ ] Experiential Learning complete
[ ] Senior Design Complete		[ ] Decision on Industry
[ ] Degree Complete		or Graduate School
[ ] Begin Career or Graduate School		

Milestone Year-5

Co-op Pathway
[ ] 128 hours completed including:
EE 494, EE Elec, EE Elec,
HSBS/HFA, Free Elec (Fall)
[ ] Senior Design Complete
[ ] Degree Complete
[ ] Begin Career or Graduate School

Required	
Recommended	

12/18/2013