	<u>т</u>	Course	Cr		itudent Name (Last, First MI) Prerequisites, Corequisites and/or	Offered: F=Fall
Semester, Transfer or AP	Grade	Number		Course Title	Prerequisites with Concurrency	S=Sprin M=Sum
				English - 6 hours		
		EH 101	3	Freshman Composition I Pla	lacement	FSM
		EH 102	3	Freshman Composition II El	H 101	FSM
				Mathematics - 18 hours		
		MA 171	4	Calculus A M	IA 113 or MA 115 or Level III Placement	FSM
		MA 172	4		IA 171	FSM
		MA 201	4		IA 172	FSM
		MA 238	3		rereg w/Con: MA 201	FSM
		MA 244	3		IA 172	FSM
		1	<u> </u>	Chemistry - 4 hours		
	1	CH 121	3		lcmt or CH 101, MA 113 or 115, Prereq w/Con: MA 171, Coreq: CH 125	FSM
-		CH 125	1		Coreq: CH 121	FSM
		CII 125		· · ·		1 310
	<u> </u>	Dr. 111		Physics - 8 hours		
	-	PH 111	3		IA 171, Coreq: 114	FSM
		PH 114	1		Coreq: PH 111	FSM
		PH 112	3		IA 172, PH 111, Coreq: 115	FSM
	<u> </u>	PH 115	1		Coreq: PH 112	FSM
				Science Elective - 4 hours		
			3	Ct	Choose from CH 123/126 or PH 113/116	FSM
			1	0		FSM
				History, Social & Behavioral Science	ces, Humaities & Fine Arts - 18 hours	
			3	History HY	IY 103, HY 104, HY 221, or HY 222	FSM
			3	Literature EF	H 207 or EH 208	FSM
			3	Fine Art AF	RH 100, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	FSM
			3	Social & Behavioral Science	For more information on HSBS/HFA Requirements:	FSM
			3	Sequence Course	http://www.uah.edu/images/colleges/engineering/	FSM
			3	HSBS/HFA	CUE2%20Files/Forms/HSBS_HFA_Requirements.pdf	FSM
			· · · · ·	Engineering Core - 12 hours		
		MAE 271	3		H 111, Prereq w/Con: MA 201	FSM
		MAE 341	3		IA 201, CH 121, CH 125, PH 112	FSM
		EE 213	3		H 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244)	FSM
		ISE 321	3		ophomore Standing	FSM
Class has required	lab section			Aerospace Engineering Option - 52		1.011
Class has required		MAE 111	3		rereg w/Con: MA 113	FSM
		MAE 111 MAE 200	3		H 111	FSM
		MAE 200 MAE 272	3			-
				Dynamics M/	IAE/CE 271 & (MAE 111 or CPE 112)	
				·	14 244 8 (MAE 111 or ODE 112): Drorog w/Oans MA 228 8 Oanse: MAE 2041	
*		MAE 284	3	Numerical Methods MA	A 244 & (MAE 111 or CPE 112); Prereq w/Con: MA 238 & Coreq: MAE 284L	FSM
		MAE 284 MAE 310	3 3	Numerical Methods MA Fluid Mechanics I Mu	IA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198)	FSM FSM
k		MAE 284 MAE 310 MAE 311	3 3 3	Numerical Methods MA Fluid Mechanics I Mu Principles of Measurement & Instrumentation EE	IA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) E 213 & (MAE 100 or 200), Coreq: MAE 311L	FSM FSM FSM
k		MAE 284 MAE 310 MAE 311 MAE 370	3 3 3 4	Numerical Methods MA Fluid Mechanics I MJ Principles of Measurement & Instrumentation EE Mechanics of Materials MJ	IA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) E 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L	FSM FSM FSM FSM
*		MAE 284 MAE 310 MAE 311 MAE 370 MAE 371	3 3 3 4 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA	IA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370	FSM FSM FSM FSM FS
k		MAE 284 MAE 310 MAE 311 MAE 370 MAE 371 MAE 420	3 3 3 4 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA	IA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341	FSM FSM FSM FSM FS SM
k		MAE 284 MAE 310 MAE 311 MAE 370 MAE 371 MAE 420 MAE 430	3 3 4 3 3 3 3	Numerical Methods MA Fluid Mechanics I Mu Principles of Measurement & Instrumentation EE Mechanics of Materials Mu Aerospace Structures Mu Compressible Aerodynamics Mu	IA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341	FSM FSM FSM FSM FSM FS SM FM
*		MAE 284 MAE 310 MAE 311 MAE 370 MAE 371 MAE 420 MAE 430 MAE 440	3 3 4 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I Mu Principles of Measurement & Instrumentation EE Mechanics of Materials Mu Aerospace Structures Mu Compressible Aerodynamics Mu Fundamentals of Aerodynamics Mu Rocket Propulsion I Mu	IA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420	FSM FSM FSM FSM FS SM FS SM FM
k		MAE 284 MAE 310 MAE 311 MAE 370 MAE 371 MAE 420 MAE 430 MAE 440 MAE 441	3 3 4 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Airbreathing Propulsion MA	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) E 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE 420	FSM FSM FSM FSM FSM FS SM FM FM*
k		MAE 284 MAE 310 MAE 311 MAE 370 MAE 371 MAE 420 MAE 430 MAE 440 MAE 441 MAE 468	3 3 4 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Airbreathing Propulsion MA Elements of Spacecraft Design MA	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) E 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 201, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE 420 IAE 420 IAE 420 IAE 420	FSM FSM FSM FSS SM FM FM* FM*
k		MAE 284 MAE 310 MAE 311 MAE 370 MAE 371 MAE 420 MAE 430 MAE 440 MAE 441 MAE 468 MAE 471	3 3 4 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Airbreathing Propulsion MA Elements of Spacecraft Design MA	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) E 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE 420 IAE 420 IAE 420 IAE 420 IAE 421, MAE 371, Prereq w/Con: MAE 420 IAE 311, MAE 371	FSM FSM FSM FSM FS SM FM FM* FS FS
k		MAE 284 MAE 310 MAE 311 MAE 371 MAE 420 MAE 430 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480	3 3 4 3 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Airbreathing Propulsion MA Elements of Spacecraft Design MA Advanced Aero Stucture & Materials MA Aircraft Stability & Control Pr	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) E 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE 420 IAE 420 IAE 420 IAE 420 IAE 420 IAE 420 IAE 371, Prereq w/Con: MAE 420 IAE 311, MAE 371 Irereq w/Con: MAE 430 & MAE 488	FSM FSM FSM FS SM FM FM* FS FS FS FS
k		MAE 284 MAE 310 MAE 311 MAE 370 MAE 371 MAE 420 MAE 430 MAE 440 MAE 441 MAE 468 MAE 480	3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Airbreathing Propulsion MA Advanced Aero Stucture & Materials MA Aircraft Stability & Control Pr Analysis of Engineering Systems EE	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE 4	FSM FSM FSM FSM FSM FM FM* FSM FSS FSS FSM
k		MAE 284 MAE 310 MAE 311 MAE 370 MAE 370 MAE 420 MAE 420 MAE 440 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480 MAE 488 MAE 490	3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Advanced Aero Structure & Materials MA Advanced Aero Stucture & Materials MA Aircraft Stability & Control Pr Analysis of Engineering Design Ise	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE 4	FSM FSM FSM FSM FSM FSM FM* FM* FSM FSS FSS FSM FSM
k		MAE 284 MAE 310 MAE 311 MAE 370 MAE 371 MAE 420 MAE 430 MAE 440 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480 MAE 490 MAE 491	3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I Mu Principles of Measurement & Instrumentation EE Mechanics of Materials Mu Aerospace Structures Mu Compressible Aerodynamics Mu Fundamentals of Aerodynamics Mu Airbreathing Propulsion I Mu Advanced Aero Stucture & Materials Mu Advanced Aero Stucture & Materials Mu Aircraft Stability & Control Pr Analysis of Engineering Systems EE Intro to Engineering Design Ise Product Realization Mu	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE 311, MAE 371 Irrereq w/Con: MAE 430 & MAE 488 IE 213, MAE/CE 272, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371) IAE 490 & Senior Standing	FSM FSM FSM FSM FS SM FM FM FM FS FS FSS FS
k		MAE 284 MAE 310 MAE 311 MAE 370 MAE 370 MAE 420 MAE 420 MAE 430 MAE 440 MAE 441 MAE 468 MAE 480 MAE 488 MAE 490 MAE 491 MAE 492	3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Advanced Aero Structure & Materials MA Advanced Aero Stucture & Materials MA Aircraft Stability & Control Pr Analysis of Engineering Design ISE Product Realization MA	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE 4	FSM FSM FSM FSM FSM FSM FM* FM* FSM FSS FSS FSS FSS FSS S
		MAE 284 MAE 310 MAE 311 MAE 370 MAE 370 MAE 420 MAE 420 MAE 440 MAE 440 MAE 441 MAE 468 MAE 480 MAE 480 MAE 490 MAE 491 MAE 492 MAE 493	3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Advanced Aero Structure & Materials MA Advanced Aero Stucture & Materials MA Aircraft Stability & Control Pr Analysis of Engineering Design ISE Intro to Engineering Design ISE Product Realization MA Mission Design & Development MA	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE 311, MAE 371 Irrereq w/Con: MAE 430 & MAE 488 IE 213, MAE/CE 272, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371) IAE 490 & Senior Standing	SM FM FM* FS FS FS FS FS FSM FSM
		MAE 284 MAE 310 MAE 311 MAE 370 MAE 370 MAE 420 MAE 420 MAE 430 MAE 440 MAE 441 MAE 468 MAE 480 MAE 488 MAE 490 MAE 491 MAE 492	3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Advanced Aero Stucture & Materials MA Advanced Aero Stucture & Materials MA Aircraft Stability & Control Pr Analysis of Engineering Design ISE Product Realization MA Mission Design & Development MA Rocket Design MA	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE 311, MAE 371 Irrereq w/Con: MAE 430 & MAE 488 IE 213, MAE/CE 272, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371) IAE 490 & Senior Standing IAE 490 & Senior Standing	FSM FSM FSM FS FS FM FM* FM* FS FS FS FSS FSS FSM FSM S
		MAE 284 MAE 310 MAE 311 MAE 370 MAE 370 MAE 420 MAE 420 MAE 440 MAE 440 MAE 441 MAE 468 MAE 480 MAE 480 MAE 490 MAE 491 MAE 492 MAE 493	3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Advanced Aero Structure & Materials MA Advanced Aero Stucture & Materials MA Aircraft Stability & Control Pr Analysis of Engineering Design ISE Product Realization MA Mission Design & Development MA	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE 311, MAE 371 Prereq w/Con: MAE 430 & MAE 488 IE 213, MAE/CE 272, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371) IAE 490 & Senior Standing IAE 490 & Senior Standing IAE 490 & Senior Standing IAE 490 & Senior Standing	FSM FSM FSM FSM FSM FM* FM* FSS FSS FSS FSS FSS FSS S S S
		MAE 284 MAE 310 MAE 311 MAE 370 MAE 370 MAE 420 MAE 420 MAE 440 MAE 440 MAE 441 MAE 468 MAE 480 MAE 480 MAE 490 MAE 491 MAE 492 MAE 493	3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Numerical Methods MA Fluid Mechanics I MA Principles of Measurement & Instrumentation EE Mechanics of Materials MA Aerospace Structures MA Compressible Aerodynamics MA Fundamentals of Aerodynamics MA Rocket Propulsion I MA Airbreathing Propulsion MA Advanced Aero Stucture & Materials MA Advanced Aero Stucture & Materials MA Aircraft Stability & Control Pr Analysis of Engineering Design Ise Product Realization MA Mission Design & Development MA Aircraft Design MA Mission Design & Development MA Macraft Design MA Rocket Design MA Mission Design & Development MA Mission Design & Development MA Aircraft Design MA	A 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198) IE 213 & (MAE 100 or 200), Coreq: MAE 311L IAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L IAE 111, MAE 200, MAE/CE 370 IAE 200, MAE 310, MAE 341 IAE 200, MAE 310, MAE 341 IAE 420 IAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE/CE 272, MAE 371, Prereq w/Con: MAE 420 IAE 311, MAE 371 Prereq w/Con: MAE 430 & MAE 488 IE 213, MAE/CE 272, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371) IAE 490 & Senior Standing IAE 490 & Senior Standing IAE 490 & Senior Standing IAE 490 & Senior Standing	FSM FSM FSM FSM FSM FM* FM* FSS FSS FSS FSS FSS FSS S S S

* These courses are offered in alternating summers. Please consult the MAE 5 year plan.

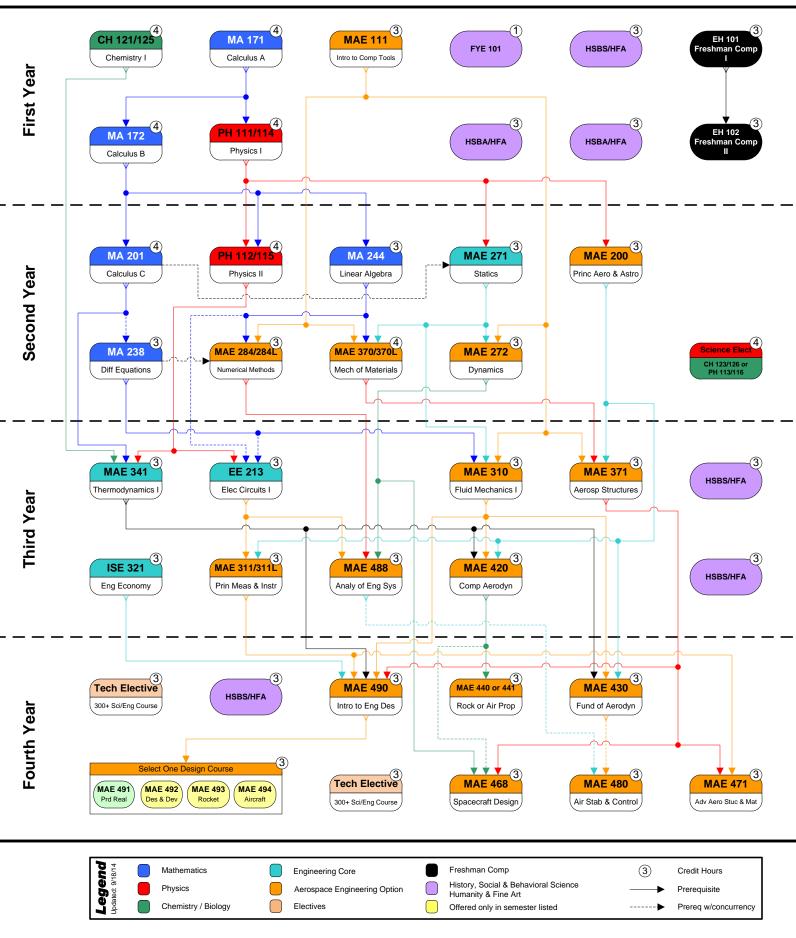
All prerequisite classes must be completed with a "C-" or higher grade. The Catalog is the final authority for all degree requirements.





Aerospace Engineering

2014/2015 (128 Hours)



Academic Pathways



Aerospace Engineering

2014-2015 Plan

Required Curriculum Research Internship Co-op Pathway Pathway Pathway Pathway Recommended **Miletone Year-1**] 35 hours completed including: [] Meet with Faculty to discuss pathway choices MA 171, CH 121/125, MAE 111, [] Meet with Career Development [] Attend Career Services Workshop on Resume HSBS/HFA, FYE 101, EH 101 MA 172, PH 111/114, [] Outline Resume HSBS/HFA, HSBS/HFA, EH 102 [] Participate in Career Fair **Milestone Year-2**] 68 hours completed including: [] Meet with Faculty for Undergraduate research opportunities MA 201, PH 112/115, MA 244, [] Attend Career Services Workshop on Interviews MAE 271, MAE 200 [] Professional Resume MA 238, MAE 284, Sci Elec, [] Attend Career Fair MAE 272, MAE 370 [] Co-op/Internship Offer (Summer Start) **SELECT ONE PATHWAY OPTION** Research Intership Co-op Pathway Pathway Pathway **Milestone Year-3 Internship Pathway Research Pathway Co-op Pathway**] 98 hours completed from 98 hours completed including: [] Obtain Faculty Mentor MAE 341, EE 213, MAE 371, Curriculum Pathway] 65 hours completed including: MAE 310. HSBS/HFA [] Summer Internship Work Semester (Summer) MAE 420, MAE 311, MAE 488, MAE 341, EE 213, MAE 310, ISE 321, HSBS/HFA MAE 371, HSBS/HFA (Fall) Work Semester (Spring)] Undergraduate Research [] Attend JUMP Information Session EE 420, MAE 311, ISE 321, HSBS/HFA (Summer) 2 Semesters of Co-op **Milestone Year-4 Internship Pathway Co-op Pathway Research Pathway**] 128 hours completed from 1 128 hours completed including: 89 hours completed including: MAE 490, MAE 430, MAE 440, Curriculum Pathway Work Semester (Fall) MAE 441, Tech Elec, HSBS/HFA [] Summer Internship MAE 490, MAE 471, MAE 49x, MAE 471, MAE 468, [] Senior Design Complete MAE 468, Tech Elec (Spring) MAE 480, Tech Elec] Degree Complete MAE 488, MAE 430, MAE 440 [] Undergraduate Research Complete [] Begin Career or Graduate School MAE 441, HSBS/HFA (Summer) [] Experiential Learning complete [] Senior Design Complete [] Degree Complete [] Decision on Industry [] Begin Career or Graduate School or Graduate School **Milestone Year-5 Co-op Pathway**] 128 hours completed including: MAE 49x, Tech Elec, MAE 480 (Fall)] Senior Design Complete 6/4/2014 Degree Complete **Begin Career or Graduate School**

Student A# Semester,		Course	Cr	- -	Student Name (Last, First MI) Prerequisites, Corequisites and/or	Offered: F=Fall S=Spring
Transfer or AP	Grade	Number		Course Title	Prerequisites with Concurrency	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 - 8 hours		
		PH 111	3	General Physics w/Calculus I	MA 171, Coreq: 114	FSM
		PH 114	1	General Physics Lab I	Coreq: PH 111	FSM
		PH 112	3	General Physics w/Calculus II	MA 172, PH 111, Coreg: 115	FSM
		PH 115	1	General Physics Lab II	Coreq: PH 112	FSM
				Biology - 4 hours	• • • • • • • • • • • • • • • • • • •	
I		BYS 119	4	Principles of Biology	None	FSM
					ences, Humaities & Fine Arts - 18 hours	
T			3	History	HY 103, HY 104, HY 221, or HY 222	FSM
			3	Literature	EH 207 or EH 208	FSM
			3	Fine Art	ARH 100, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	FSM
			3	Social & Behavioral Science	For more information on HSBS/HFA Requirements:	FSM
			3	Sequence Course	http://www.uah.edu/images/colleges/engineering/	FSM
			3	HSBS/HFA	CUE2%20Files/Forms/HSBS_HFA_Requirements.pdf	
		ļ	5			FSM
T		OF 071	2	Engineering Core - 12 hours	DU 444 Draw w/Oran MA 004	FOM
		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 111 or CPE 112 or CHE 198)	FSM
		MAE 341	3	Thermodynamics I	MA 201, CH 121, CH 125, PH 112	FSM
Class has required la	o section	1		Civil Engineering Option - 52 ho		
		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 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, Coreq: CE 380L	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	MAE 341, Prereq w/Con: MAE 310	F
		CE 483	3	Reinforced Concrete Design	CE 380, CE 381	F
I		CE 484	3	Steel Design	CE 381, MA 244	F
		CE 485	3	Foundation Engineering	CE 372, CE 483	S
					CE 372, CE 463 CE 321, Prereq w/Con: CE 372 and CE 483, Senior Standing	F
			1	Civil Engineering Dosign I		Г
		CE 498	1	Civil Engineering Design I		0
			1 2	Civil Engineering Design II	CE 483, CE 498 Coreq: CE 499L (FE Review)	S
		CE 498 CE 499	2	Civil Engineering Design II Civil Engineering Electives - 6 ho	CE 483, CE 498 Coreq: CE 499L (FE Review) Durs	-
		CE 498 CE 499 CE 481	2 3	Civil Engineering Design II Civil Engineering Electives - 6 ho Structural Analysis II	CE 483, CE 498 Coreq: CE 499L (FE Review) DUITS CE 381	S
		CE 498 CE 499 CE 481 CE 487	2 3 3	Civil Engineering Design II Civil Engineering Electives - 6 ho Structural Analysis II Bridge Design	CE 483, CE 498 Coreq: CE 499L (FE Review) DURS CE 381 CE 483	S S
		CE 498 CE 499 CE 481 CE 487 CE 456	2 3 3 3	Civil Engineering Design II Civil Engineering Electives - 6 ho Structural Analysis II Bridge Design Water Quality Control Processes	CE 483, CE 498 Coreq: CE 499L (FE Review) DURS CE 381 CE 483 CE 449	S S S
	·	CE 498 CE 499 CE 481 CE 487 CE 456 CE 457	2 3 3 3 3	Civil Engineering Design II Civil Engineering Electives - 6 ho Structural Analysis II Bridge Design Water Quality Control Processes Hydrology	CE 483, CE 498 Coreq: CE 499L (FE Review) OURS CE 381 CE 483 CE 449 MAE 310	S S F
		CE 498 CE 499 CE 481 CE 487 CE 456	2 3 3 3	Civil Engineering Design II Civil Engineering Electives - 6 ho Structural Analysis II Bridge Design Water Quality Control Processes Hydrology Intro to Geographical Information Systems	CE 483, CE 498 Coreq: CE 499L (FE Review) DURS CE 381 CE 483 CE 449	S S F F
		CE 498 CE 499 CE 481 CE 487 CE 456 CE 457	2 3 3 3 3	Civil Engineering Design II Civil Engineering Electives - 6 ho Structural Analysis II Bridge Design Water Quality Control Processes Hydrology	CE 483, CE 498 Coreq: CE 499L (FE Review) OURS CE 381 CE 483 CE 449 MAE 310	S S F

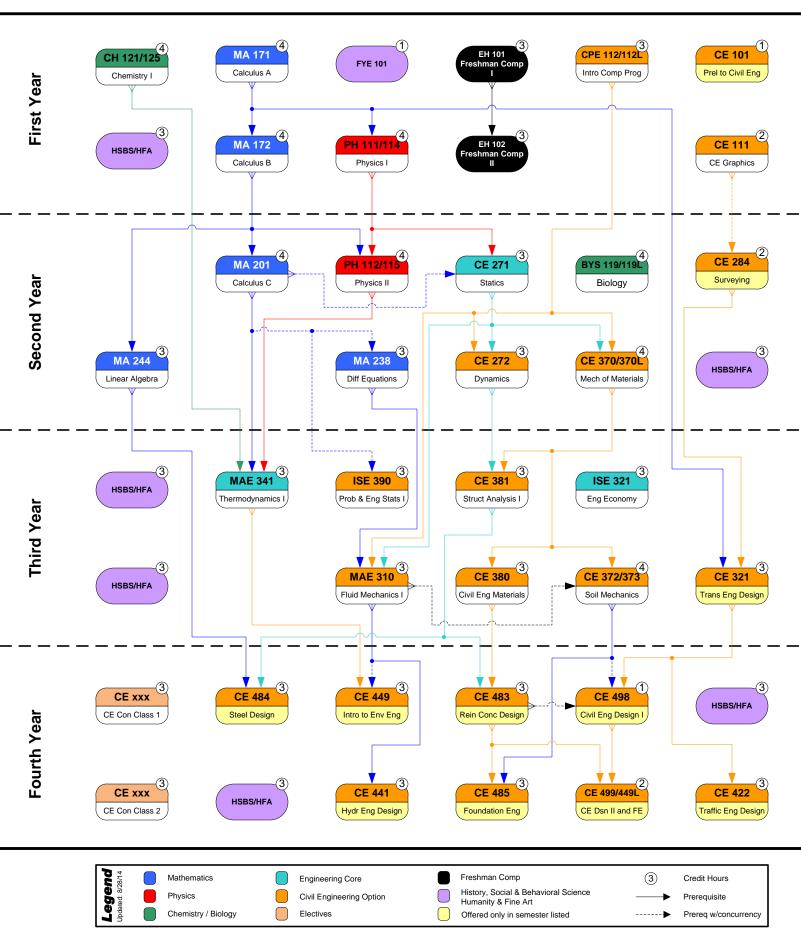
All prerequisite classes must be completed with a "C-" or higher grade. The Catalog is the final authority for all degree requirements.

Select One Concentration





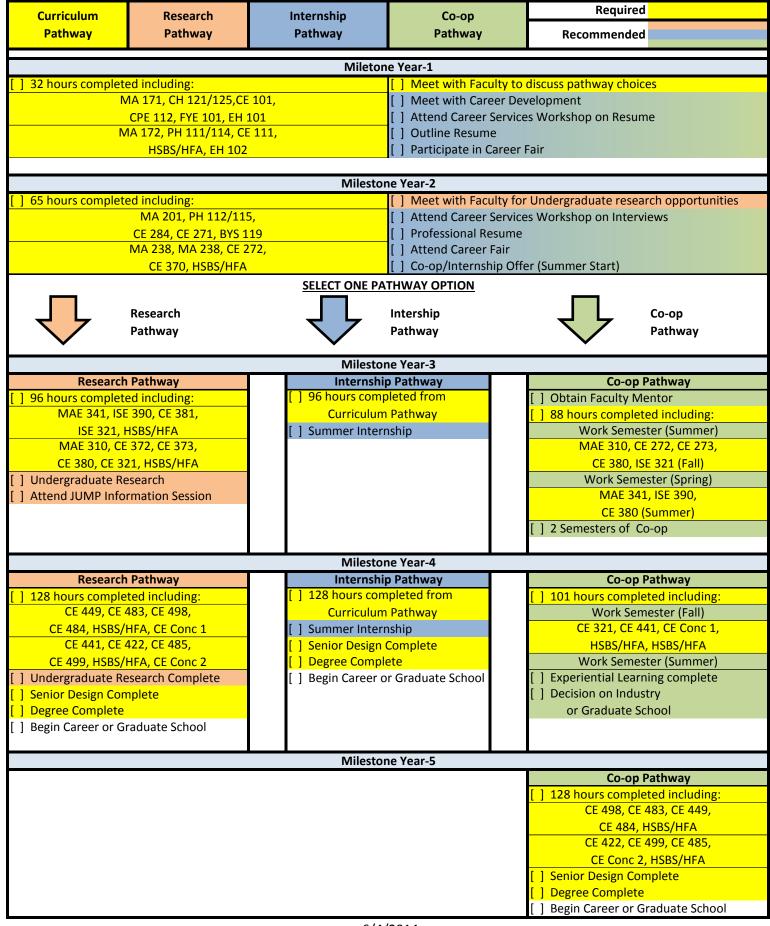
Civil Engineering 2014/2015 (128 Hours)



Academic Pathways



Civil Engineering



tudent A# Semester,		Course	Cr	<u> </u>	Student Name (Last, First MI) Prerequisites, Corequisites and/or	Offered: F=Fall S=Spring
Transfer or AP	Grade	Number	Hrs	Course Title	Prerequisites with Concurrency	M=Summ
				English - 6 hours		
		ЕН 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
	•		_	Chemistry - 18 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
		CH 331	3	Organic Chemistry I	CH 123, CH 126	FSM
		CH 335	1	Organic Chemistry Lab I	Prereg w/Con: CH 331	FSM
		CH 332	3	Organic Chemistry II	CH 331	FSM
		CH 341	3	Physical Chemistry I	CH 123, MA 201, PH 112	F
				Physics - 8 hours	·	
		PH 111	3	General Physics w/Calculus I	MA 171, Coreq: 114	FSM
		PH 114	1	General Physics Lab I	Coreq: PH 111	FSM
		PH 112	3	General Physics w/Calculus II	MA 172, PH 111, Coreq: 115	FSM
		PH 115	1	General Physics Lab II	Coreq: PH 112	FSM
	<u>I</u>		<u> </u>	Biology - 3 hours		
	1	BYS 311	3	Intro to Molecular Biological Systems	CH 331	S
		DID JII				3
					ences, Humaities & Fine Arts - 18 hours	
		ļ		History	HY 103, HY 104, HY 221, or HY 222	FSM
		ļ	3		EH 207 or EH 208	FSM
		┨────┤	3	Fine Art	ARH 100, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	FSM
		ļ	3	Social & Behavioral Science	For more information on HSBS/HFA Requirements:	FSM
		┨────┤	3	Sequence Course	http://www.uah.edu/images/colleges/engineering/ CUE2%20Files/Forms/HSBS_HFA_Requirements.pdf	FSM
		<u> </u>	3	HSBS/HFA	COE2%20Files/Foillis/HSBS_HFA_Requirements.put	FSM
				Engineering Core - 12 hours		_
		CHE 244	3	Intro to Chemical Engineering Systems	CH 123, PH 111, Prereq w/Con: CHE 198	S
		CHE 294	3	Nature & Properties of Materials	CH 121, PH 111	FM
		EE 213	3	Electrical Circuit Analysis I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244)	FSM
		MAE 271	3	Statics	PH 111, Prereq w/Con: MA 201	FSM
	-	_		Chemical Engineering Option - 4	10 hours	
		CHE 197	2	Intro to Chemical Engineering Processes	Level II Math Placement or Coreq: MA 112	F
		CHE 198	2	Computational Tools for Chemical Engineers	CHE 197, Prereq w/Con: MA 113	S
		CHE 295	1	Nature & Properties of Materials Lab	Prereq w/Con: CHE 294	FM
		CHE 342	3	Transport Phenomena	CHE 244, Prereq w/Con: MAE 310	S
		CHE 344	3	Chemical Engineering Thermodynamics	CHE 244, CH 341	S
		MAE 310	3	Fluid Mechanics I	MA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198)	FSM
		CHE 347	3	Quantitative Modeling for Chemical Engrs	CHE 198, CHE 244, MA 238	FM
		CHE 439	3	Unit Operations Lab I	CHE 295, Prereq w/Con: CHE 441, 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 443	3	Mass Transfer Operations	CHE 342, CHE 344, MAE 310	F
		CHE 445	3	Chemical Process Control	CHE 441	S
		CHE 446	3	Analysis & Design of Transport Equipment	CHE 342, Prereq w/Con: CHE 443	F
		CHE 448	3	Chemical Engineering Design	CHE 441, CHE 443, CHE 446, Prereq w/Con:CHE 445	S
	<u> </u>	CHE 485	3	Process Safety and Toxicology	Prereq w/Con: CHE 448	S
				Chemical Engineering Electives	- 9 hours	
		CH 361	3	General Biochemistry I	BYS 311, CH 332, CH 335	FSM
		CHE 460	3	Introduction to Bioprocess Engineering	CH 361	F
		CHE 461	3	Bioseparations	CHE 460	S
	 -	CH 440	3	Polymer Synthesis & Characterization	CH 331	F
				-		
		CHE 494	3	Applied Materials Engineering	CHE 294, CHE 344	S

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

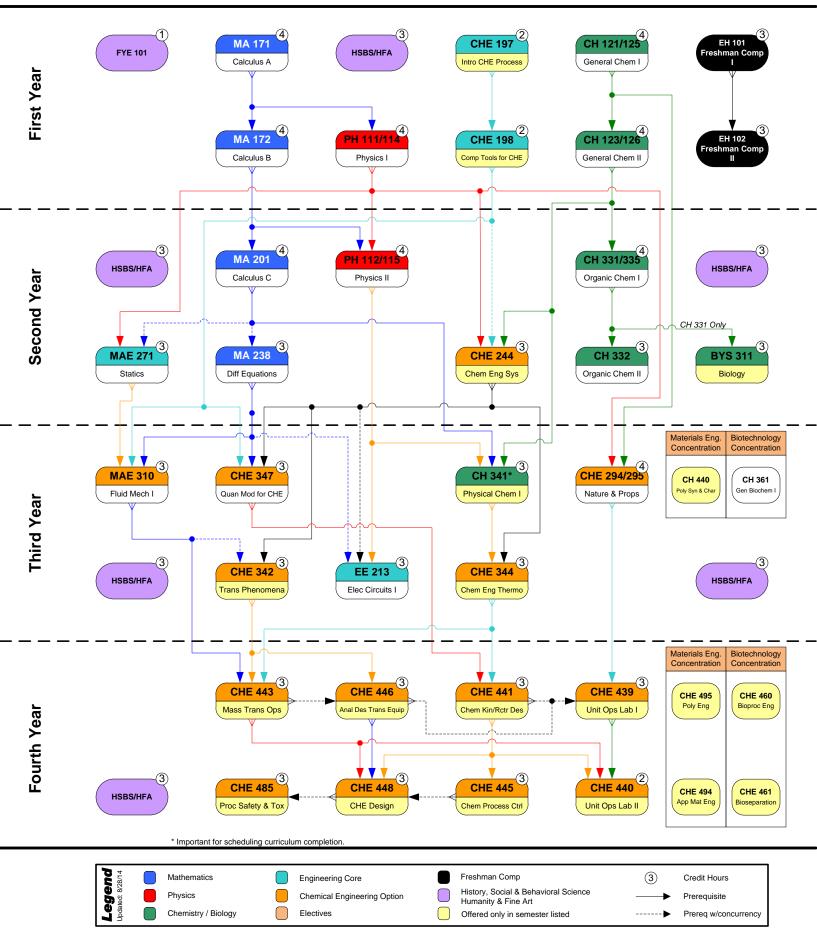
Select One Concentratio





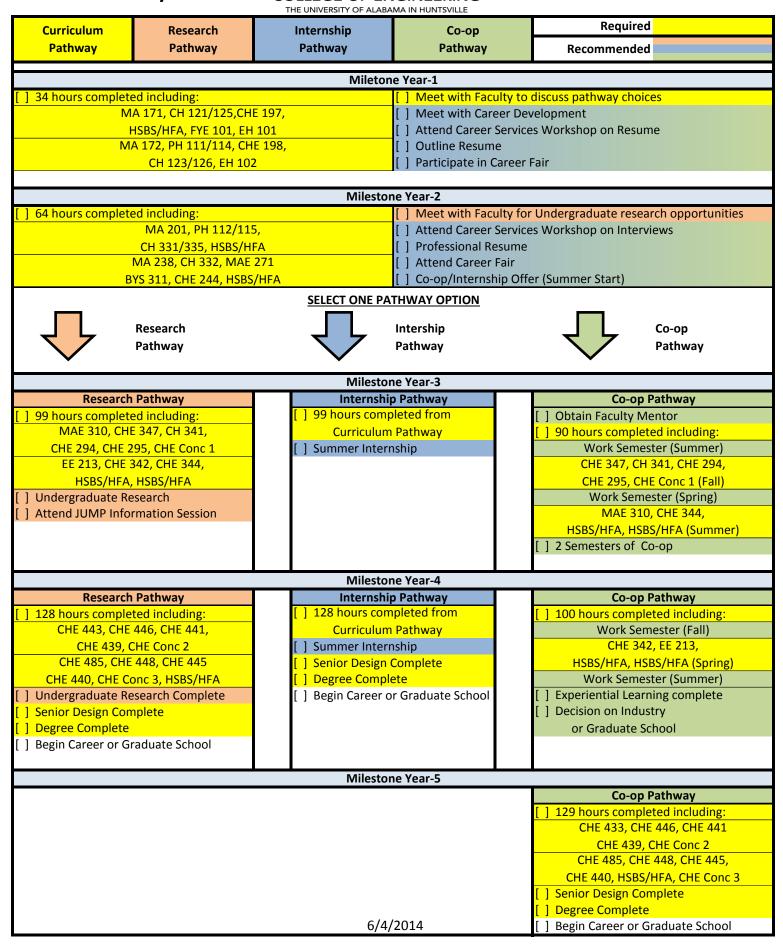
Chemical Engineering

2014/2015 (129 Hours)



Academic Pathways COLLEGE OF ENGINEERING

Chemical Engineering



Student A#		Course	Cr	[Student Name (Last, First MI) Prerequisites, Corequisites and/or	Offere F=Fall
Transfer or A	AP Grade			Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency	S=Spri M=Sur
				English - 6 hours		
		EH 101	3	Freshman Composition I	Placement	FS
		EH 102	3	Freshman Composition II	EH 101	FSI
				Mathematics - 18 hours		
		MA 171	4	Calculus A	MA 113 or MA 115 or Level III Placement	FSI
		MA 172	4	Calculus B	MA 171	FSI
		MA 201	4	Calculus C	MA 172	FSI
		MA 238	3	Applied Differential Equations	Prereq w/Con: MA 201	FSI
		MA 244	3	Introduction to Linear Algebra	MA 172	FSI
		-		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	FSI
		CH 125	1	General Chemistry Lab I	Coreq: CH 121	FSI
				Physics - 8 hours		
		PH 111	3	General Physics w/Calculus I	MA 171, Coreq: 114	FSI
		PH 114	1	General Physics Lab I	Coreq: PH 111	FSI
		PH 112	3	General Physics w/Calculus II	MA 172, PH 111, Coreq: 115	FSI
		PH 115	1	General Physics Lab II	Coreq: PH 112	FSI
			-	History, Social & Behavioral Scie	nces, Humaities & Fine Arts - 18 hours	
			3	History	HY 103, HY 104, HY 221, or HY 222	FSI
			3	Literature	EH 207 or EH 208	FSI
			3	Fine Art	ARH 100, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	FSI
			3	Social & Behavioral Science	For more information on HSBS/HFA Requirements:	FSI
			3	Sequence Course	http://www.uah.edu/images/colleges/engineering/	FSI
			3	HSBS/HFA	CUE2%20Files/Forms/HSBS_HFA_Requirements.pdf	FSI
Class has requir	ed lab section	-		Engineering Core - 12 hours		_
		CPE 112		Intro to Computer Programming in Engineering	MA 113, MA 115 or Level III Placement, Coreq: CPE 112L	FSI
		EE 202	3	Intro to Digital Logic Design	CPE 112, EE 100	FSI
		EE 213	3	Electrical Circuit Analysis I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244)	FSI
		CPE 381	3	Fundamentals of Signals & Sys for Comp Engrs	EE 213, MA 238	FS
				Computer Science - 6 hours		
		CS 214	3	Intro to Discrete Structures	CPE 112, MA 171	FSI
		CS 317	3	Design & Analysis of Algorithms	CS 214, CPE 212, MA 244	FSI
<mark>Class has requir</mark>	ed lab section	-		Computer Engineering Option - 4		
		EE 100	3	Fund of Computer, Electrical & Optical Eng	Prereq w/Con: MA 112, Coreq: EE 100L	FSI
		CPE 212	3	Fundamentals of Software Engineering	CPE 112	FS
		CPE 221	3	Computer Organization	EE 202	FSI
		CPE 322		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	FSI
		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
		EE 385	3	Random Signals and Noise	CPE 381 or EE 382	FSI
		ISE 390	3	Probability & Engineering Statistics I	Prereq w/Con: MA 201	FSI
		CPE 431	3	Intro to Computer Architecture	CPE 322, CPE 323	F
		CPE 434	3	Operating Systems	CPE 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, Coreq: CPE 448L	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
			-	Computer Engineering Electives	- 9 nours	
			3			
			3		300 - level or above approved by advisor.	┣──
L			3			
all means auto		milled he as		d with a "C-" or higher grade		

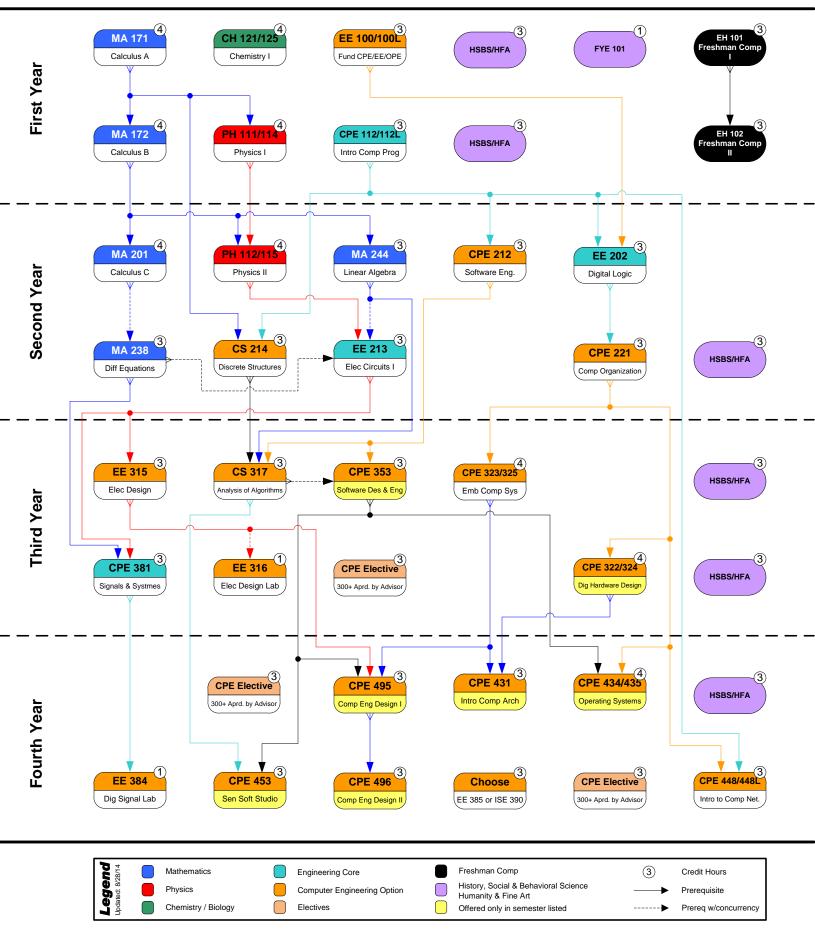
All prerequisite classes must be completed with a "C-" or higher grade. The Catalog is the final authority for all degree requirements.





Computer Engineering

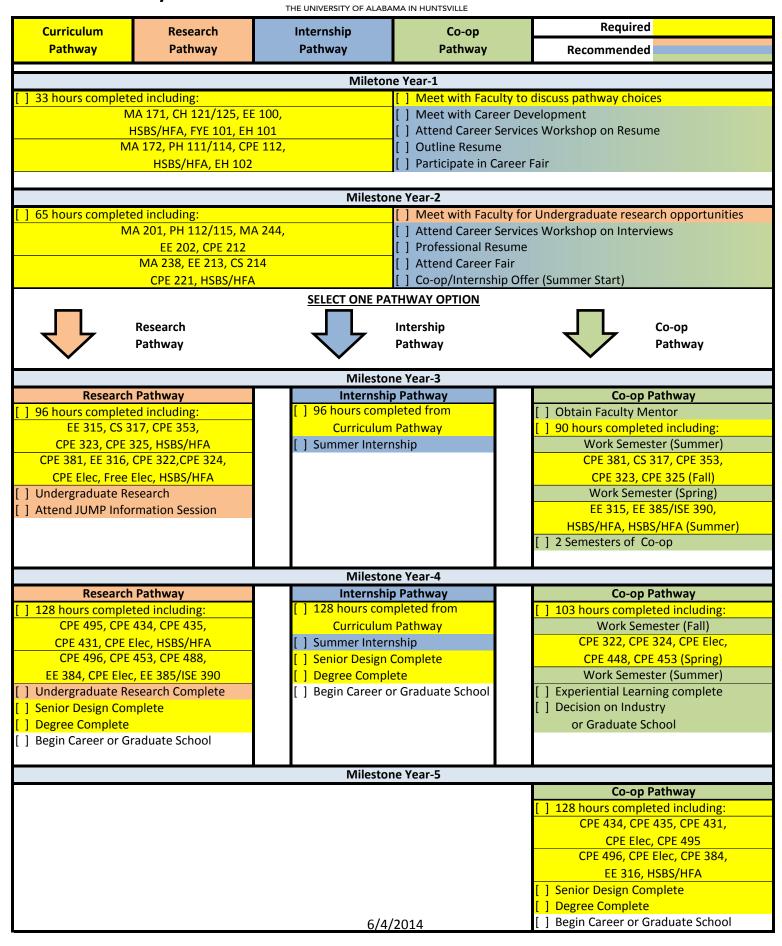
2014/2015 (128 Hours)



Pathways

COLLEGE OF ENGINEERING

Computer Engineering



Semester,		Course	Cr		Student Name (Last, First MI) Prerequisites, Corequisites and/or	Offered: F=Fall S=Spring
Transfer or AP	Grade	Number	Hrs	Course Title	Prerequisites with Concurrency	M=Summ
				English - 6 hours	· · · · · · · · · · · · · · · · · · ·	-
		ЕН 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
			<u> </u>	Chemistry - 4 hours		-
		CH 121	3	General Chemistry I	Plcmt or CH 101, MA 113 or 115, Prereg w/Con: MA 171, Coreg: CH 125	FSM
		CH 125	1	General Chemistry Lab I	Coreq: CH 121	FSM
		011 120	<u> </u>	Physics - 12 hours		1 0101
		PH 111	3	General Physics w/Calculus I	MA 171, Coreq: 114	FSM
	l	PH 114	1	General Physics Wealculds 1	Coreq: PH 111	FSM
		PH 114 PH 112	3	General Physics Lab I General Physics w/Calculus II	MA 172, PH 111, Coreq: 115	FSM
		PH 112 PH 115	1	General Physics WCalculus II General Physics Lab II	Coreq: PH 112	FSM
		PH 115 PH 113	3	General Physics Lab II General Physics w/Calculus III	MA 201, PH 112, Coreq: 116	FSM
		PH 115 PH 116	1	General Physics WCalculus III General Physics Lab III	Coreq: PH 113	FSM
		111 110	<u> </u>	· · ·	nces, Humaities & Fine Arts - 18 hours	1.914
1		 ,	<u> </u>			БОМ
			3	History	HY 103, HY 104, HY 221, or HY 222	FSM
			3		EH 207 or EH 208	FSM
			3	Fine Art	ARH 100, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	FSM
		├ ────┤	3	Social & Behavioral Science	For more information on HSBS/HFA Requirements: http://www.uah.edu/images/colleges/engineering/	FSM
				Sequence Course	CUE2%20Files/Forms/HSBS_HFA_Requirements.pdf	FSM
		<u> </u>	3	HSBS/HFA		FSM
			<u> </u>	Engineering Core - 12 hours		
		EE 213	_	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, MA 244	FSM
lass has required la	b section			Electrical Engineering Option - 43		
	1	EE 100	3	Fund of Computer, Electrical & Optical Eng	Prereq w/Con: MA 112, Coreq: EE 100L	FSM
	,		<u> </u>			
		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 202 EE 203	3 1	Intro to Digital Logic Design Digital Logic Design Lab	CPE 112, EE 100 EE 202	FSM FSM
		EE 202 EE 203 CPE 221	3 1 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization	CPE 112, EE 100 EE 202 EE 202	FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307	3 1 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism	CPE 112, EE 100 EE 202 EE 202 EE 213	FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308	3 1 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 307	FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313	3 1 3 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 213 EE 213 EE 213	FSM FSM FSM FSM FS FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315	3 1 3 3 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 EE 213	FSM FSM FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316	3 1 3 3 3 3 3 1	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 307 EE 213 EE 213 EE 213 EE 213 Prereq w/Con: EE 315	FSM FSM FSM FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323	3 1 3 3 3 3 3 1 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 307 EE 213 EE 213 EE 213 EE 213 Prereq w/Con: EE 315 CPE 221, Coreq: CPE 325	FSM FSM FSM FSM FSM FSM FSM FS FS
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 325	3 1 3 3 3 3 3 1 3 1 1	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 307 EE 213 EE 213 EE 213 EE 213 Prereq w/Con: EE 315 CPE 221, Coreq: CPE 325 Coreq: CPE 323	FSM FSM FSM FSM FSM FSM FSM FS FS FS
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 325 EE 383	3 1 3 3 3 3 3 1 3 1 3 1 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electromagnetic Engineering Electronic Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 307 EE 213 EE 213 EE 213 EE 213 Prereq w/Con: EE 315 CPE 221, Coreq: CPE 325 Coreq: CPE 323 EE 382	FSM FSM FSM FSM FSM FSM FSM FSM FSS FS FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 325 EE 383 EE 384	3 1 3 3 3 3 1 3 1 3 1 3 1 1 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory	CPE 112, EE 100 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 EE 213 CPE 12, Coreq: CPE 325 Coreq: CPE 323 EE 382 CPE 381 or Prereq w/Con:EE 383	FSM FSM FSM FSM FSM FSM FSM FSS FSS FSS
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 325 EE 383 EE 384 EE 385	3 1 3 3 3 3 1 3 1 3 1 3 1 3 1 3 1 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise	CPE 112, EE 100 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 EE 213 CPE 12, Coreq: CPE 315 CPE 221, Coreq: CPE 325 Coreq: CPE 323 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or E 382	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 323 CPE 325 EE 383 EE 384 EE 385 EE 386	3 1 3 3 3 3 3 1 1 3 1 3 1 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Introduction to Control and Robotic Systems	CPE 112, EE 100 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 EE 213 CPE 12, Coreq: CPE 315 COPE 221, Coreq: CPE 325 Coreq: CPE 323 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 CPE 381 or EE 382	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 325 EE 383 EE 384 EE 385	3 1 3 3 3 3 3 1 1 3 1 3 1 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Introduction to Control and Robotic Systems EE Design Projects	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 Prereq w/Con: EE 315 CPE 221, Coreq: CPE 325 Coreq: CPE 323 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Fer 382 CPE 381 or EE 382 CPE 381 or EE 382 EE 308, EE 310, EE 315, EE 383, EE 385, EE 386, CPE 323, ISE 321	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 323 CPE 325 EE 383 EE 384 EE 385 EE 386	3 1 3 3 3 3 1 3 1 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Introduction to Control and Robotic Systems EE Design Projects Electrical Engineering Electives -	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 EE 213 CPE 221, Coreq: CPE 325 Coreq: CPE 323 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 CPE 381 or EE 382 EE 308, EE 310, EE 313, EE 315, EE 383, EE 385, EE 386, CPE 323, ISE 321 12 hours	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 323 CPE 325 EE 383 EE 384 EE 385 EE 386	3 1 3 3 3 3 3 1 3 1 3 3 3 3 3 3 3 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electroid Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Introduction to Control and Robotic Systems EE Design Projects Electrical Engineering Electives - T1	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 EE 213 CPE 221, Coreq: CPE 325 Coreq: CPE 323 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 CPE 381 or EE 382 EE 308, EE 310, EE 313, EE 315, EE 383, EE 385, EE 386, CPE 323, ISE 321 12 hours Track:	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 323 CPE 325 EE 383 EE 384 EE 385 EE 386	3 1 3 3 3 3 3 3 1 3 1 3 3 3 3 3 3 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Introduction to Control and Robotic Systems EE Design Projects Electrical Engineering Electives -	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 Prereq w/Con: EE 315 CPE 221, Coreq: CPE 325 Coreq: CPE 323 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 CPE 381 or EE 382 EE 308, EE 310, EE 313, EE 315, EE 383, EE 385, EE 386, CPE 323, ISE 321 12 hours Track:	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 323 CPE 325 EE 383 EE 384 EE 385 EE 386	3 1 3 3 3 3 1 3 1 3 1 3 3 3 3 3 3 3 3 3 3 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electroid Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Introduction to Control and Robotic Systems EE Design Projects Electrical Engineering Electives - T1	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 EE 213 CPE 221, Coreq: CPE 325 Coreq: CPE 323 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 CPE 381 or EE 382 CPE 381 or EE 382 EE 308, EE 310, EE 313, EE 315, EE 383, EE 385, EE 386, CPE 323, ISE 321 12 hours Track:	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 202 EE 203 CPE 221 EE 307 EE 308 EE 313 EE 315 EE 316 CPE 323 CPE 323 CPE 325 EE 383 EE 384 EE 385 EE 386	3 1 3 3 3 3 3 3 1 3 1 3 3 3 3 3 3 3 3 3	Intro to Digital Logic Design Digital Logic Design Lab Computer Organization Electricity and Magnetism Electroid Analysis II Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Intro to Embedded Computer Systems Lab Component of Intro of CE 323 Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Introduction to Control and Robotic Systems EE Design Projects Electrical Engineering Electives - T1	CPE 112, EE 100 EE 202 EE 202 EE 213 EE 213 EE 213 EE 213 EE 213 Prereq w/Con: EE 315 CPE 221, Coreq: CPE 325 Coreq: CPE 323 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 CPE 381 or EE 382 EE 308, EE 310, EE 313, EE 315, EE 383, EE 385, EE 386, CPE 323, ISE 321 12 hours Track:	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM

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

The Catalog is the final authority for all degree requirements.

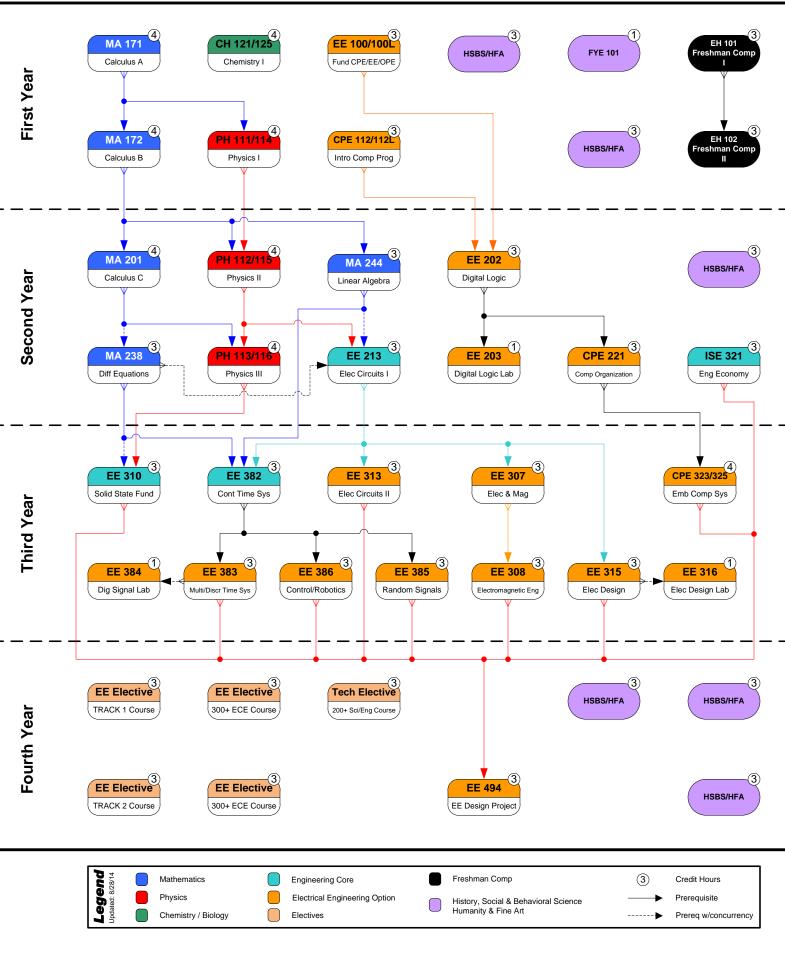
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Electrical Engineering

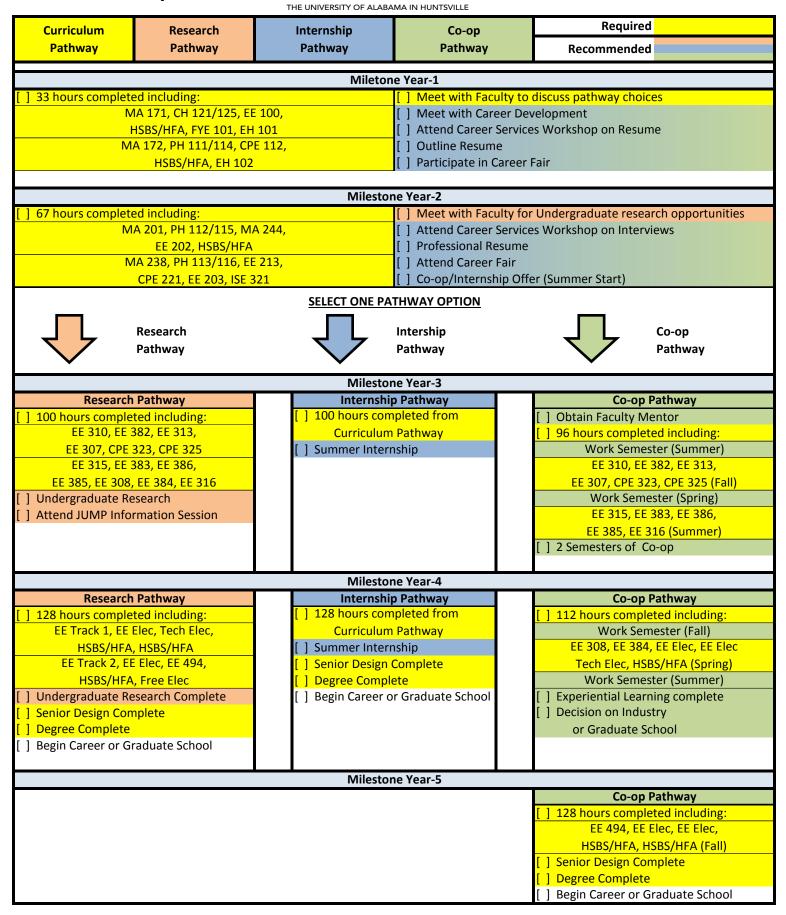
2014/2015 (128 Hours)



Pathways

COLLEGE OF ENGINEERING

Electrical Engineering



Student A#		•			tudent Name (Last, First MI)	Offered F=Fall
Semester, Transfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency	S=Sprin M=Sum
				English - 6 hours		
		ЕН 101	3		lacement	FSM
		ЕН 102	3		H 101	FSM
		·		Mathematics - 18 hours		
		MA 171	4		A 113 or MA 115 or Level III Placement	FSM
		MA 172	4		A 171	FSM
		MA 201	4		A 172	FSM
		MA 238	3		rereq w/Con: MA 201	FSM
		MA 244	3		A 172	FSM
			Ű	Chemistry - 4 hours		1 011
		CH 121	3		Icmt or CH 101, MA 113 or 115, Prereg w/Con: MA 171, Coreg: CH 125	FSM
		CH 121	1	,	oreq: CH 121	FSM
		CII 12J	±	,		FSIM
		DH 111	2	Physics - 8 hours		5014
		PH 111	3		A 171, Coreq: 114	FSM
		PH 114	1	,	oreq: PH 111	FSM
		PH 112	3		A 172, PH 111, Coreq: 115	FSM
		PH 115	1	,	oreq: PH 112	FSM
				Science Elective - 3 hours		
			3		YS 119 or CH 123 or 300/400 level MA course	
	-				es, Humaities & Fine Arts - 18 hours	
			3	History H ^v	Y 103, HY 104, HY 221, or HY 222	FSM
			3	Literature EH	H 207 or EH 208	FSM
			3	Fine Art AF	RH 100, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	FSM
			3	Social & Behavioral Science	For more information on HSBS/HFA Requirements:	FSM
			3	Sequence Course	http://www.uah.edu/images/colleges/engineering/	FSM
			3	HSBS/HFA	CUE2%20Files/Forms/HSBS_HFA_Requirements.pdf	FSM
				Engineering Core - 12 hours		
		MAE 271	3	Statics PH	H 111, Prereq w/Con: MA 201	FSM
		EE 213	3	Electrical Circuit Analysis I PH	H 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244)	FSM
		ISE 321	3	Engineering Economy Sc	ophomore Standing	FSM
		MAE 341	3	Thermodynamics I M.	A 201, CH 121, CH 125, PH 112	FSM
Class has required la	ab section			Industrial & System Engineering Op	otion - 46 hours	
		CPE 112	3	Intro to Computer Programming in Engineering M	A 113, MA 115 or Level III Placement, Coreq: CPE 112L	FSM
		CE 111	2		A 112 or Level II Placement, Freshman CE Standing	FS
		MAE 111	3	Intro to Computational Tools Pr	rereq w/Con: MA 113	FSM
		ISE 124	3		rereq w/Con: MA 113	F
		ISE 324	3	, , ,	E 390	F
		ISE 327	3	°	SE 390	S
		ISE 340	3	5,,,,	rereq w/Con: ISE 390	F
		MAE 370	4		AE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L	FSM
		ISE 390	3		rereq w/Con: MA 201	FSM
		ISE 391	3	, , ,	SE 390	S
		ISE 423	3		rereq w/Con: ISE 391	S
		ISE 428	3		E 124, ISE 321, ISE 340, ISE 391, Senior Standing	F
		ISE 429	3	, , ,	SE 428	S
		ISE 430	3	, , ,	enior Standing	F
				°,	SE 390	S
		ISE 433	3	Production & inventory Control Systems		F
			3 3	, ,	PE 112. ISE 391	
		ISE 433		Intro to Systems Simulation CF	PE 112, ISE 391	
		ISE 433	3	, ,		
		ISE 433	3	Intro to Systems Simulation Cf Industrial & Systems Engineering E Choose from MA 385, ISE 402, ISE 403, ISE 426, ISE	Electives - 9 hours	
		ISE 433	3 3 3	Intro to Systems Simulation Cf Industrial & Systems Engineering E	Electives - 9 hours	
		ISE 433	3	Intro to Systems Simulation Cf Industrial & Systems Engineering E Choose from MA 385, ISE 402, ISE 403, ISE 426, ISE	Electives - 9 hours	

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

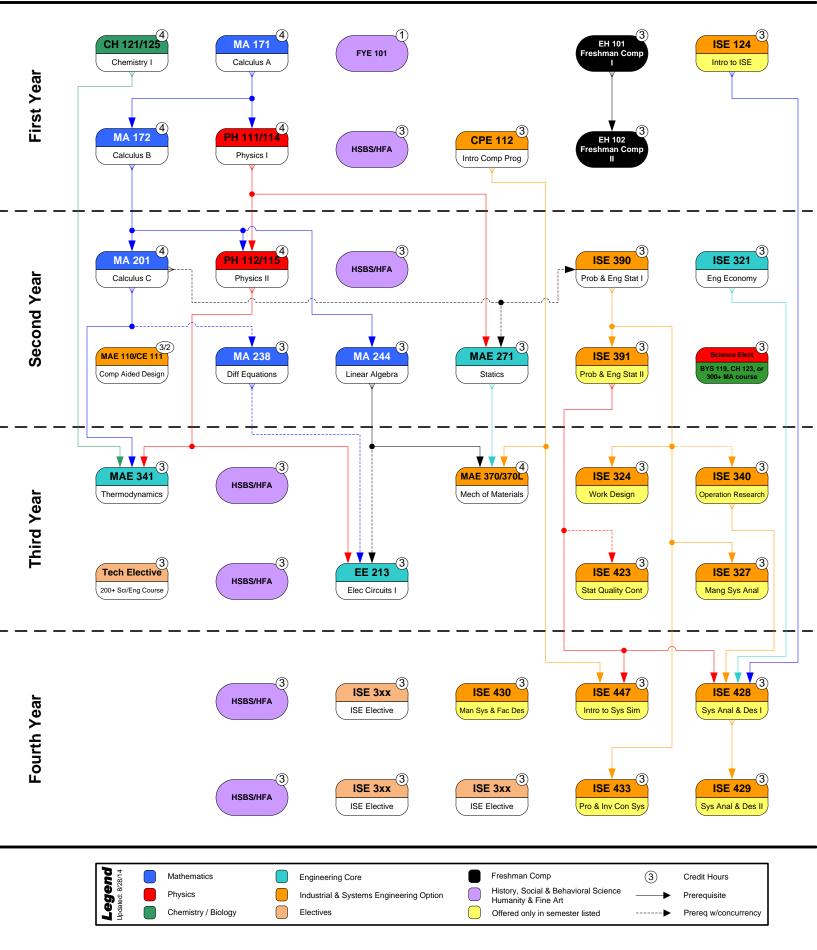
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Industrial & Stystems Engineering

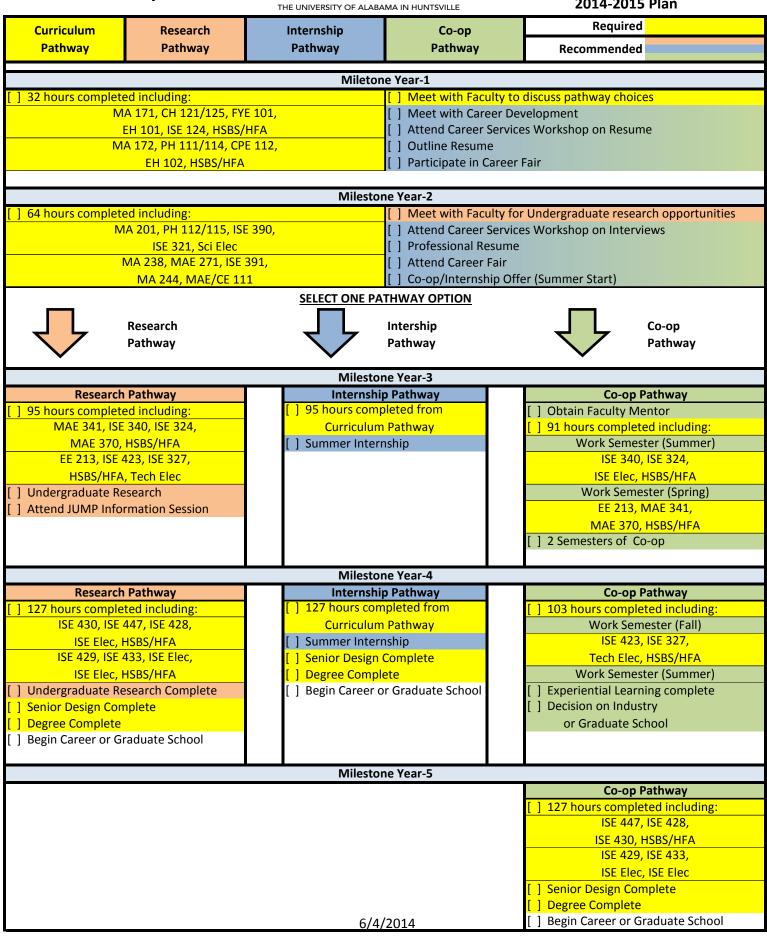
2014/2015 (127 Hours)



Pathways



Industrial & Systems Engineering



Student A#		Course	Cr		nt Name (Last, First MI) Prerequisites, Corequisites and/or	Offered F=Fall S=Sprir
Transfer or AP	Grade	Number	Hrs	Course Title	Prerequisites with Concurrency	M=Sum
				English - 6 hours		
		EH 101	3	Freshman Composition I Placemen	ent	FSN
		EH 102	3	Freshman Composition II EH 101		FSN
				Mathematics - 18 hours		
		MA 171	4	Calculus A MA 113 c	or MA 115 or Level III Placement	FSN
		MA 172	4	Calculus B MA 171		FSN
		MA 201	4	Calculus C MA 172		FSI
		MA 238	3	Applied Differential Equations Prereq w	w/Con: MA 201	FSM
		MA 244	3	Introduction to Linear Algebra MA 172		FSN
				Chemistry - 4 hours		
	T	CH 121	3		or CH 101, MA 113 or 115, Prereq w/Con: MA 171, Coreq: CH 125	FSN
		CH 125	1	General Chemistry Lab I Coreq: Cl		FSN
		011 120	-	Physics - 8 hours		100
	1	PH 111	3		Correct 114	FON
		PH 111 PH 114	1	•	I, Coreq: 114	FSN
		PH 114 PH 112	1 3	General Physics Lab I Coreq: Pl General Physics w/Calculus II MA 172, I		FSN
		PH 112 PH 115	3		2, PH 111, Coreq: 115	FSN
		PH 115	1	,	PH 112	FSN
	T	1		Science Elective - 4 hours		
			3	Choose fi	e from BYS 119, CH 123/126, or PH 113/116	FSN
			1			FSN
	-		_	History, Social & Behavioral Sciences, H		-
			3		8, HY 104, HY 221, or HY 222	FSN
			3	Literature EH 207 o	' or EH 208	FSN
			3		00, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	FSN
			3		For more information on HSBS/HFA Requirements:	FSN
			3		http://www.uah.edu/images/colleges/engineering/	FSN
			3	HSBS/HFA CU	UE2%20Files/Forms/HSBS_HFA_Requirements.pdf	FSN
				Engineering Core - 12 hours		
		MAE 271	3	Statics PH 111, F	, Prereq w/Con: MA 201	FSN
		MAE 341	3	Thermodynamics I MA 201,	I, CH 121, CH 125, PH 112	FSN
		EE 213	3	Electrical Circuit Analysis I PH 112, F	2, Prereq w/Con: MA 238 & (MA 244 or CHE 244)	FSN
		ISE 321	3	Engineering Economy Sophomo	nore Standing	FSN
Class has required	lab section			Mechanical Engineering Option - 53 hou	urs	
		MAE 100	2	Intro to Mechanical Engineering Prereq w	w/Con: MA 113, Coreq: MAE 100L	FS
		MAE 111	3	Intro to Computational Tools Prereq w	w/Con: MA 113	FSN
		MAE 272	3	Dynamics MAE/CE	E 271 & (MAE 111 or CPE 112)	FSN
		MAE 284	3	Numerical Methods MA 244 &	& (MAE 111 or CPE 112); Prereq w/Con: MA 238 & Coreq: MAE 284L	FSN
		MAE 310	3	Fluid Mechanics I MA 238,	3, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198)	FSN
		MAE 311	3	Principles of Measurement & Instrumentation EE 213 &	& (MAE 100 or 200), Coreq: MAE 311L	FSN
		MAE 342	3	Thermodynamics II MAE 341	41, MA 238, Prereq w/Con: MAE 284	FSN
		MAE 364	4	Kinematics & Dynamics of Machines MAE 111	11, MAE/CE 272, Coreq: MAE 364L	FS
		MAE 370	4	Mechanics of Materials MAE/CE	E 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L	FSN
		MAE 378	3	Materials & Manufacturing Processes MAE/CE		FSN
		MAE 450	4	Intro to Heat and Mass Transfer MAE 284	84, MAE 310, MAE 311, MAE 341, Coreq: MAE 450L	FS
		MAE 455	3	Design of Thermal Systems MAE 342	42, MAE 450, Recommended: MAE 490	SN
				Mechanics & Design of Machine Elements MAE 364	64, MAE/CE 370	FM
		MAE 466	3			-
		MAE 466 MAE 488	3 3		, MAE/CE 272, MAE 284	FSN
				Analysis of Engineering Systems EE 213, I		
		MAE 488	3	Analysis of Engineering Systems EE 213, 1 Computer-Aided Engineering Analysis MAE/CE	, MAE/CE 272, MAE 284	FS
		MAE 488 MAE 489	3 3	Analysis of Engineering Systems EE 213, I Computer-Aided Engineering Analysis MAE/CE Intro to Engineering Design ISE 321, MA	, MAE/CE 272, MAE 284 E 370, Prereq w/Con: MAE 284	FS FSN
		MAE 488 MAE 489 MAE 490	3 3 3	Analysis of Engineering Systems EE 213, I Computer-Aided Engineering Analysis MAE/CE Intro to Engineering Design ISE 321, MA Product Realization MAE 490	, MAE/CE 272, MAE 284 E 370, Prereq w/Con: MAE 284 MAE 310, MAE 311, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371) 90 & Senior Standing	FS FSN
		MAE 488 MAE 489 MAE 490 MAE 491	3 3 3 3	Analysis of Engineering Systems EE 213, I Computer-Aided Engineering Analysis MAE/CE Intro to Engineering Design ISE 321, MA Product Realization MAE 490 Mission Design & Development MAE 490	, MAE/CE 272, MAE 284 E 370, Prereq w/Con: MAE 284 MAE 310, MAE 311, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371)	FSN FSS FSS FSS S S
		MAE 488 MAE 489 MAE 490 MAE 491 MAE 492	3 3 3 3 3	Analysis of Engineering Systems EE 213, I Computer-Aided Engineering Analysis MAE/CE Intro to Engineering Design ISE 321, MA Product Realization MAE 490 Mission Design MAE 490 Rocket Design MAE 490	i, MAE/CE 272, MAE 284 E 370, Prereq w/Con: MAE 284 MAE 310, MAE 311, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371) 90 & Senior Standing 90 & Senior Standing	FS FSN FS S
		MAE 488 MAE 489 MAE 490 MAE 491 MAE 492 MAE 493	3 3 3 3 3 3 3	Analysis of Engineering Systems EE 213, I Computer-Aided Engineering Analysis MAE/CE Intro to Engineering Design ISE 321, MA Product Realization MAE 490 Mission Design MAE 490 Rocket Design MAE 490	i, MAE/CE 272, MAE 284 E 370, Prereq w/Con: MAE 284 MAE 310, MAE 311, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371) 90 & Senior Standing 90 & Senior Standing 90 & Senior Standing	FS FSM FS S S
		MAE 488 MAE 489 MAE 490 MAE 491 MAE 492 MAE 493	3 3 3 3 3 3 3	Analysis of Engineering Systems EE 213, I Computer-Aided Engineering Analysis MAE/CE Intro to Engineering Design ISE 321, MA Product Realization MAE 490 Mission Design MAE 490 Rocket Design MAE 490 Arcraft Design MAE 490 Technical Elective - 6 hours MAE 490	i, MAE/CE 272, MAE 284 E 370, Prereq w/Con: MAE 284 MAE 310, MAE 311, MAE 341, MAE 370, (MAE 364 & MAE 387) or (MAE 200 & MAE 371) 90 & Senior Standing 90 & Senior Standing 90 & Senior Standing	FS FSM FS S S

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

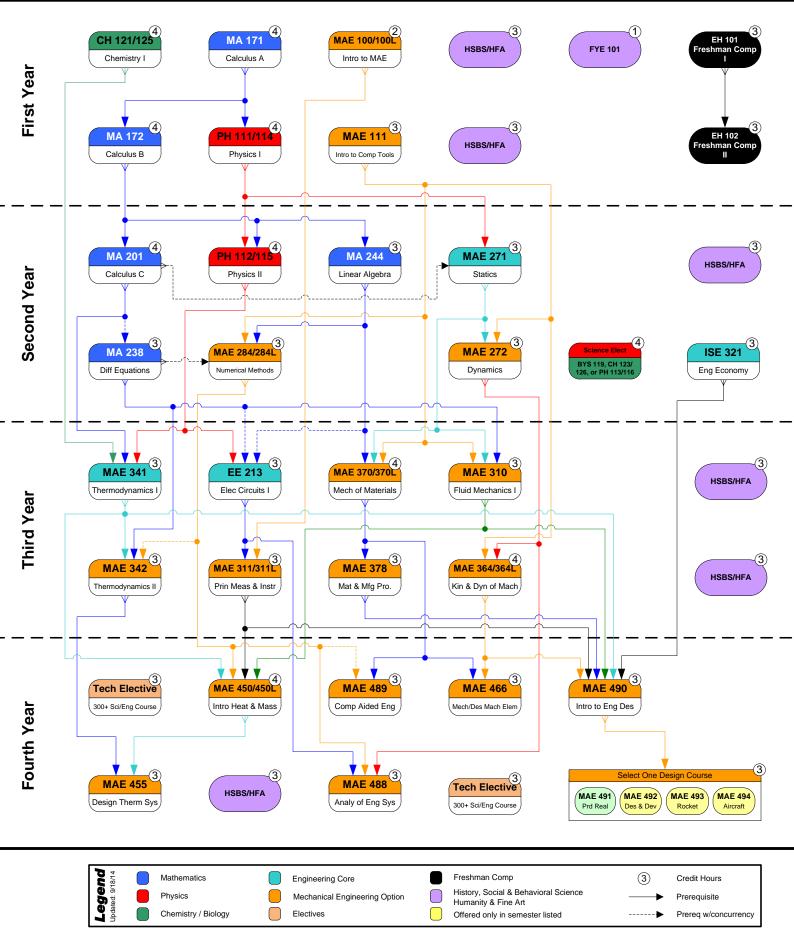
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Mechanical Engineering

2014/2015 (129 Hours)



Pathways



Mechanical Engineering

ratii	ways	COLLEGE OF EN THE UNIVERSITY OF ALABA		2014-2015 Fidii
Curriculum	Research	Internship	Со-ор	Required
Pathway	Pathway	Pathway	Pathway	Recommended
		Mileton	e Year-1	
[] 34 hours complete	ed including:			o discuss pathway choices
	A 171, CH 121/125, MA	NE 100,	[] Meet with Career D	evelopment
	HSBS/HFA, FYE 101, EH			ces Workshop on Resume
MA	A 172, PH 111/114, MA		[] Outline Resume	
	HSBS/HFA, EH 102		[] Participate in Caree	r Fair
		Milestor	ne Year-2	
[] 66 hours complete	ed including:	Willestor		or Undergraduate research opportunities
	A 201, PH 112/115, M	A 244,		ces Workshop on Interviews
	MAE 271, HSBS/HF/		[] Professional Resum	e
1	MA 238, MAE 284, Sci I	Elec,	[] Attend Career Fair	
	MAE 272, ISE 321		[] Co-op/Internship Of	fer (Summer Start)
		SELECT ONE PA	THWAY OPTION	
	Research		Intership	Со-ор
	Pathway	マフ	Pathway	Pathway
$\mathbf{\vee}$	-	$\mathbf{\vee}$	-	∨
			ne Year-3	
	Pathway		p Pathway	Co-op Pathway
[] 98 hours complete	-	[] 98 hours comp		[] Obtain Faculty Mentor
	213, MAE 370, HSBS/HFA	Curriculum [] Summer Interr	-	[] 93 hours completed including: Work Semester (Summer)
	311, MAE 378,		isilip	MAE 341, MAE 364,
	HSBS/HFA			MAE 310, MAE 370 (Fall)
[] Undergraduate Re				Work Semester (Spring)
[] Attend JUMP Info	rmation Session			EE 213, MAE 311,
				MAE 342, MAE 378 (Summer)
				[] 2 Semesters of Co-op
		DAllasta.		
Posoarch	Dathway		ne Year-4	Co on Pathway
[] 129 hours comple	e Pathway	[] 129 hours com	p Pathway	Co-op Pathway [] 118 hours completed including:
	489, MAE 466,	Curriculum		Work Semester (Fall)
	, Tech Elec	[] Summer Interr		MAE 490, MAE 450,
MAE 455, MAE	488, MAE 49x,	[] Senior Design	Complete	MAE 489, Tech Elec (Spring)
	HSBS/HFA	[] Degree Compl		MAE 488, MAE 455,
[] Undergraduate Re		[] Begin Career o	r Graduate School	MAE 466, HSBS/HFA (Summer)
[] Senior Design Con	nplete			Experiential Learning complete Desirion on Industry
[] Degree Complete [] Begin Career or Gi	raduate School			[] Decision on Industry or Graduate School
				or Graudate School
		Milestor	ne Year-5	
				Co-op Pathway
				[] 129 hours completed including:
				MAE 49x, Tech Elec,
				HSBS/HFA, HSBS/HFA (Fall)
				[] Senior Design Complete
				Degree Complete School
				[] Begin Career or Graduate School

Semester,		Course	Cr	Г	Student Name (Last, First MI) Prerequisites, Corequisites and/or	Offered: F=Fall S=Spring
ransfer or AP	Grade	Number	Hrs	Course Title	Prerequisites with Concurrency	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, Coreq: 114	FSM
		PH 114	1	General Physics Lab I	Coreq: PH 111	FSM
		PH 112	3	General Physics w/Calculus II	MA 172, PH 111, Coreq: 115	FSM
		PH 115	1	General Physics Lab II	Coreq: PH 112	FSM
		PH 113	3	General Physics w/Calculus III	MA 201, PH 112, Coreq: 116	FSM
		PH 116	1	General Physics Lab III	Coreq: PH 113	FSM
				History, Social & Behavioral Scie	nces, Humaities & Fine Arts - 18 hours	
			3	History	HY 103, HY 104, HY 221, or HY 222	FSM
			3	Literature	EH 207 or EH 208	FSM
			3	Fine Art	ARH 100, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	FSM
			3	Social & Behavioral Science	For more information on HSBS/HFA Requirements:	FSM
			3	Sequence Course	http://www.uah.edu/images/colleges/engineering/	FSM
			3	HSBS/HFA	CUE2%20Files/Forms/HSBS_HFA_Requirements.pdf	FSM
ass has required la	ah section			Engineering Core - 12 hours		
		T				
		CPE 112	3	Intro to Computer Programming in Engineering	MA 113, MA 115 or Level III Placement, Coreq: CPE 112L	FSM
		EE 213	3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244)	FSM
		EE 213 EE 310	3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238	FSM FS
		EE 213	3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing	FSM
		EE 213 EE 310 ISE 321	3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requirement	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours	FSM FS
		EE 213 EE 310 ISE 321 EE 100	3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing	FSM FS
		EE 213 EE 310 ISE 321 EE 100 EE 202	3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100	FSM FS FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203	3 3 3 3 3 3 1	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202	FSM FS FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315	3 3 3 3 3 3 1 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213	FSM FS FSM FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316	3 3 3 3 3 3 1 3 1 1	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315	FSM FS FSM FSM FSM FSM FSM FS FS
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382	3 3 3 3 3 1 3 1 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244	FSM FS FSM FSM FSM FSM FSM FS FS FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 383	3 3 3 3 3 1 3 1 3 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382	FSM FS FSM FSM FSM FSM FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 383 EE 384	3 3 3 3 3 1 3 1 3 3 1 3 1	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requiremed Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383	FSM FS FSM FSM FSM FSM FSM FSM FSM FSM F
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 383 EE 384 EE 385	3 3 3 3 1 3 1 3 3 1 3 1 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requiremo Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382	FSM FS FSM FSM FSM FSM FSM FSM FSM FSM F
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 383 EE 384	3 3 3 3 3 1 3 1 3 3 1 3 1	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requiremed Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 Senior Standing	FSM FS FSM FSM FSM FSM FSM FSM FSM FSM F
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 383 EE 384 EE 385 EE 412	3 3 3 3 1 3 1 3 3 1 3 1 1 3 1	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 h	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or E 382 Senior Standing	FSM FS FSM FSM FSM FSM FSM FSM FSM FSM F
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 384 EE 385 EE 412 EE 307	3 3 3 3 1 3 1 3 3 1 3 3 1 3 3 1 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 h Electricity and Magnetism	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 Senior Standing OURS EE 213	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 382 EE 383 EE 384 EE 385 EE 412 EE 307	3 3 3 3 1 3 3 1 3 3 1 3 3 1 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 H Electroidy and Magnetism Electromagnetic Engineering	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 Senior Standing Durs EE 213	FSM FS FSM FSM FSM FSM FSM FSM FSM FSM F
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 383 EE 384 EE 385 EE 412 EE 307 EE 307 EE 308	3 3 3 3 1 3 1 3 3 1 3 3 1 3 3 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 h Electroicity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Standing OURS EE 213 EE 213	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 384 EE 385 EE 412 EE 307 EE 308 EE 313 OPE 451	3 3 3 3 1 3 1 3 1 3 1 3 1 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 F Electroicity and Magnetism Electromagnetic Engineering Electrical Circuit Analysis II Optoelectronics	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Standing OULTS EE 213 Prereq w/Con: EE 307, EE 315 EE 213 Prereq w/Con: EE 307, EE 315	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 384 EE 385 EE 412 EE 307 EE 308 EE 313 OPE 451 OPE 453	3 3 3 3 1 3 1 3 1 3 1 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 F Electroicity and Magnetism Electronics Laser Systems	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 Senior Standing IOUITS EE 213 Prereq w/Con: EE 307, EE 315 EE 213 EE 213 EE 213 EE 213 EE 213 Senior Standing IOUITS EE 213 EE 213 EE 307 EE 213 Prereq w/Con: EE 307, EE 315 EE 307	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 384 EE 385 EE 412 EE 307 EE 308 EE 313 OPE 451 OPE 453	3 3 3 3 1 3 1 3 1 3 1 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 F Electroical Circuit Analysis II Optoelectronics Laser Systems Optical Fiber Communications	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Standing OUES EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Standing DULTS EE 213 Prereq w/Con: EE 307, EE 315 EE 213 Prereq w/Con: EE 307, EE 315 EE 307 EE 307 EE 307 or PH 432	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 383 EE 412 EE 307 EE 308 EE 313 OPE 451 OPE 454 OPE 456	3 3 3 3 1 3 1 3 1 3 3 1 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 H Electroicity and Magnetism Electronics Laser Systems Optical Fiber Communications Photonics Lab	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 Senior Standing DOURS EE 213 Prereq w/Con: EE 307, EE 315 EE 213 Prereq w/Con: EE 307, EE 315 EE 307 EE 307 EE 307 EE 307 OR PH 432 OPE 451	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 383 EE 412 EE 308 EE 412 EE 308 EE 313 OPE 451 OPE 454 OPE 456 OPE 459	3 3 3 3 1 3 1 3 1 3 3 1 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Mult and Discr Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 H Electroicity and Magnetism Electronics Laser Systems Optical Fiber Communications Photonics Lab Optical Engineering Design I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Prereq w/Con:EE 383 CPE 381 or EE 382 Senior Standing DOURS EE 213 Prereq w/Con: EE 307, EE 315 EE 213 EE 213 Derereq w/Con: EE 307, EE 315 EE 307 EE 307	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 383 EE 412 EE 308 EE 313 OPE 451 OPE 453 OPE 456 OPE 459 OPE 460	3 3 3 3 1 3 1 3 3 1 3 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Continuous Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 H Electronics Electronics Laser Systems Optical Fiber Communications Photonics Lab Optical Engineering Design I Optical Engineering Design I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Standing DOURS EE 213 Prereq w/Con: EE 307, EE 315 EE 213 Prereq w/Con: EE 307, EE 315 EE 307 EE 307, IP H 432 OPE 451 ISE 321, Prereq w/Con: OPE 456 OPE 459	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM
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		EE 213 EE 310 ISE 321 EE 100 EE 202 EE 203 EE 315 EE 316 EE 382 EE 383 EE 412 EE 308 EE 313 OPE 451 OPE 453 OPE 456 OPE 459 OPE 460	3 3 3 3 1 3 1 3 3 1 3 3 3 3 3 3 3 3 3 3	Intro to Computer Programming in Engineering Electrical Circuit Analysis I Solid State Fundamentals Engineering Economy Electrical Engineering Requireme Fund of Computer, Electrical & Optical Eng Intro to Digital Logic Design Digital Logic Design Lab Introduction to Electronic Analysis and Design Electronic Measurements & Devices Design Lab Analytical Meth for Continuous Time Sys Analytical Meth for Continuous Time Sys Digital Signal Processing Laboratory Random Signals and Noise Independent Research Optical Engineering Option - 33 H Electronics Electronics Laser Systems Optical Fiber Communications Photonics Lab Optical Engineering Design I Optical Engineering Design I	PH 112, Prereq w/Con: MA 238 & (MA 244 or CHE 244) PH 113, Prereq w/Con: MA 238 Sophomore Standing ents - 22 hours Prereq w/Con: MA 112, Coreq: EE 100L CPE 112, EE 100 EE 202 EE 213 Prereq w/Con: EE 315 EE 213, MA 238, MA 244 EE 382 CPE 381 or Prereq w/Con:EE 383 CPE 381 or Prereq w/Con:EE 383 CPE 381 or E 382 Senior Standing DOURS EE 213 Prereq w/Con: EE 307, EE 315 EE 213 Prereq w/Con: EE 307, EE 315 EE 307 EF 307	FSM FSM FSM FSM FSM FSM FSM FSM FSM FSM

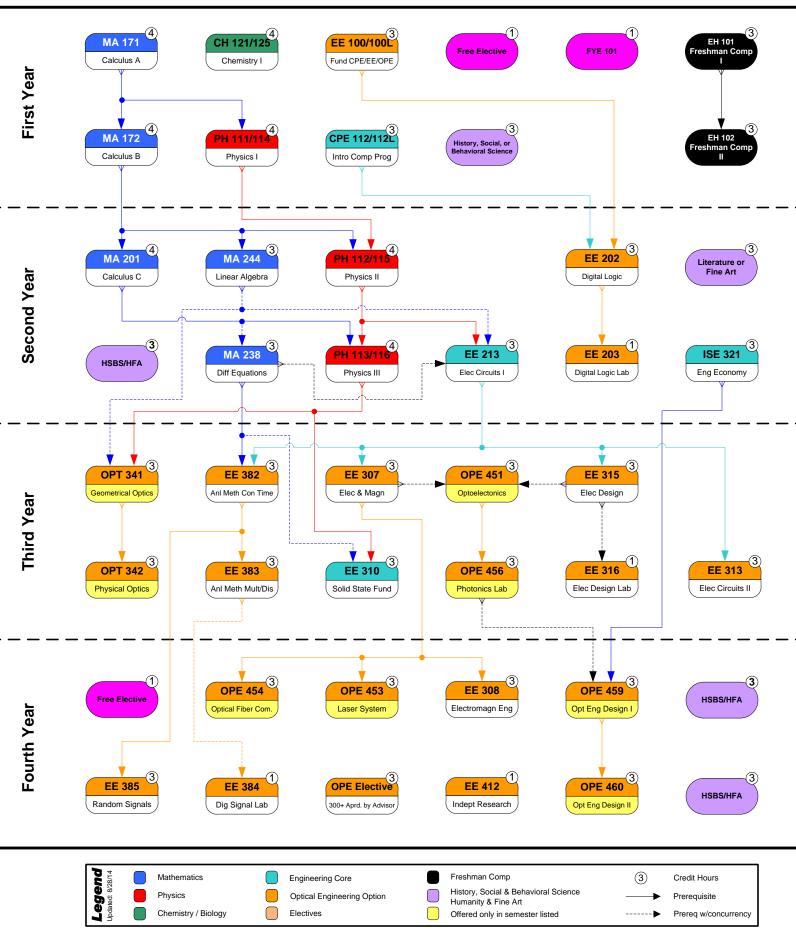
All prerequisite classes must be completed with a "C" or higher grade. The Catalog is the final authority for all degree requirements.





Optical Engineering

2014/2015 (128 Hours)



Pathways

COLLEGE OF ENGINEERING

Optical Engineering

