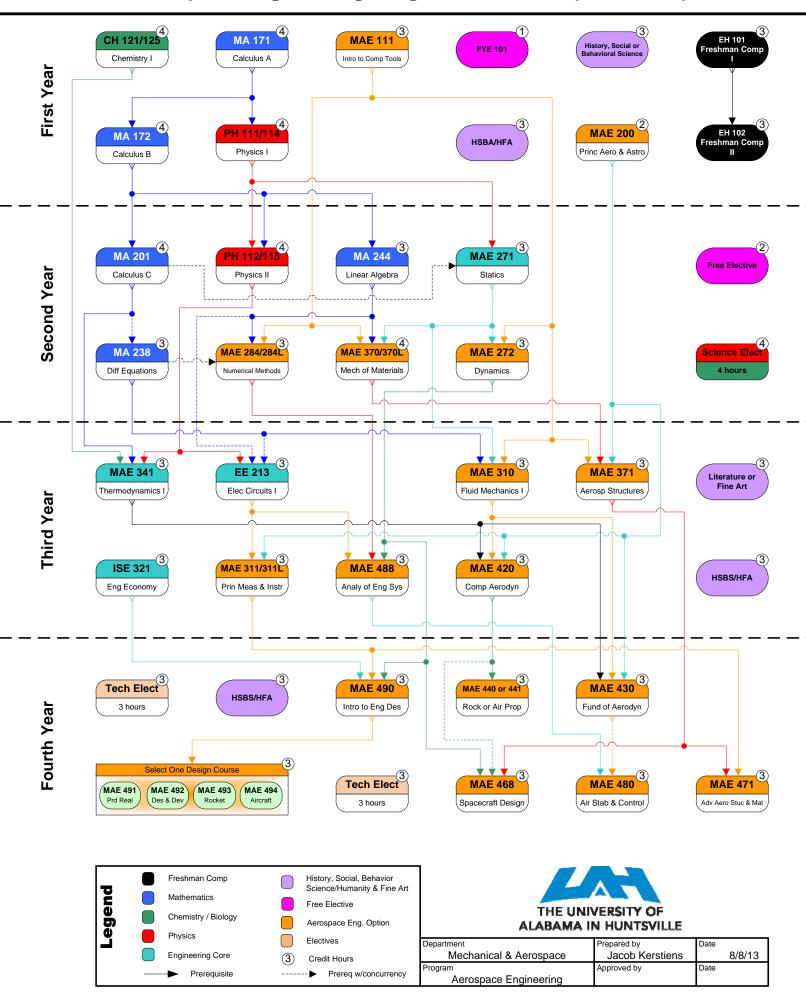
Semester,		Course	Cr		Prerequisites, Corequisites and/or	F=Fall S=Spring M=Summe	
Transfer or AP	Grade	Number	Hrs	Course Title	Prerequisites with Concurrency		
	ı	1	-	English - 6 hours			
		EH 101	_		Placement	FSM	
		EH 102	3	<u> </u>	H 101	FSM	
				Mathematics - 18 hours			
		MA 171	4	Calculus A M	MA 113 or MA 115 or Level III Placement	FSM	
MA 201 MA 238		MA 172	4	Calculus B M	MA 171 MA 172 Prereq w/Con: MA 201		
		MA 201	4	Calculus C M			
		MA 238	3	Applied Differential Equations Pr			
		MA 244	3	Introduction to Linear Algebra MA 172			
				Chemistry - 4 hours			
		CH 121	3	General Chemistry I P	Plcmt or CH 101, MA 113 or 115, Prereq w/Con: MA 171, Coreq: CH 125	FSM	
		CH 125	1	General Chemistry Lab I C	Coreq: CH 121	FSM	
				Physics - 8 hours			
		PH 111	3		IA 171	FSM	
		PH 114	1	,	Prereg w/Con: PH 111	FSM	
	1	PH 112	3	,	1A 172, PH 111	FSM	
		PH 115	1	3	Prereq w/Con: PH 112	FSM	
			_	Science Elective - 4 hours		. 5111	
	T T	T T	3	COLORIO ELECTIVE - 4 HOURS		FSM	
			1	C	Choose from CH 123/126 or PH 113/116	FSM	
		<u> </u>	т.		11 12 A E1 A 4 4 5 1	FSIM	
					ces, Humaities & Fine Arts - 15 hours		
					Choose 3 hours: History, Social or Behavior Science	FSM	
			3		Choose 3 hours: Literature or Fine Art	FSM	
			3		Choose 3 hour courses of HSBS/HFA that you have met prerequisites,		
			3	fro	om ARH, ARS*, CM, EH, ECN*, FL, GS,		
			3		GY, HY, MU, PHL, PSC, PY, SOC, WS		
				General Education Electives - 3 hou	urs		
				С	Choose up to 3 hours of electives (Ex. FYE 101):		
				A	any courses that you have met prerequisites,		
				ar	nd are not remedial coursework for Engineering curriculum.		
				Engineering Core - 12 hours			
		MAE 271	3		PH 111, Prereg w/Con: MA 201	FSM	
		MAE 341	3		MA 201, CH 121, CH 125, PH 112	FSM	
		EE 213	3	,	PH 112, Prereg w/Con: MA 238 & (MA 244 or CHE 244)	FSM	
		ISE 321	_	ž	cophomore Standing	FSM	
Class has required	ah section			Aerospace Engineering Option - 52			
nuss nus requireu	l section	MAE 111	3		Prereg w/Con: MA 113 or Level II Placement	FSM	
		MAE 200			Prereq w/Con: MA 113 or Level II Placement	FS	
		MAE 272	3	'		FSM	
		MAE 272	<u> </u>	,	MAE/CE 271 & (MAE 111 or CPE 112)	+	
			3		IA 244 & (MAE 111 or CPE 112); Prereq w/Con: MA 238 & Coreq: MAE 284L	FSM	
		MAE 310 MAE 311	3		MA 238, MAE/CE 271 & (MAE 111 or CPE 112 or CHE 198)	FSM	
			3	·	E 213 & (MAE 100 or 200), Coreq: MAE 311L	FSM	
		MAE 370			MAE/CE 271, MA 244 & (MAE 111 or CPE 112), Coreq: MAE 370L	FSM	
		MAE 371	3	'	MAE 111, MAE 200, MAE/CE 370	FS	
		MAE 420	3	,	MAE 200, MAE 310, MAE 341	SM	
		MAE 430	3		MAE 200, MAE 310, MAE 341	FM	
		MAE 440	3		MAE 420	FM*	
		MAE 441	3	y 1	MAE 420	FM*	
		MAE 468	_		MAE/CE 272, MAE 371, Prereq w/Con: MAE 420	FS	
		MAE 471	3	Advanced Aero Stucture & Materials M	MAE 311, MAE 371	FS	
		MAE 480	3	Aircraft Stability & Control P	rereq w/Con: MAE 430 & MAE 488	FS	
		MAE 488	3	Analysis of Engineering Systems E	E 213, MAE/CE 272, MAE 284	FSM	
		MAE 490	3	Intro to Engineering Design M	1AE/CE 272, MAE 311, ISE 321	FSM	
		MAE 491	3	Product Realization M	1AE 490 & Senior Standing	FS	
		MAE 492	3	Mission Design & Development M	MAE 490 & Senior Standing	S	
		MAE 493	3	Rocket Design M	1AE 490 & Senior Standing	S	
		MAE 494	3	Aircraft Design M	MAE 490 & Senior Standing	S	
		•	-	Technical Elective - 6 hours		_	
				reclinical Elective - 6 flours			
	l	I	3		00 - level or above Science or Engineering course.	T	

* 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.

Updated: 7/11/2013

Aerospace Engineering Program 2013/2014 (129 Hours)



College of Engineering Pathways

Aerospace Engineering 2013-2014 Plan												
Curriculum	Research	Internship		Co-op								
Pathway	Pathway	Pathway		Pathway								
	Mileton	e Year-1										
[] 35 hours completed including:		[] Meet with Faculty	v to d	iscuss pathway choic	es							
MA 171, CH 121/125, MAE 11:		Meet with Career Development										
HSBS/HFA, FYE 101, EH 101	-,	[] Attend Career Services Workshop on Resume										
MA 172, PH 111/114, MAE 200	1	Outline Resume										
	J,	Participate in Career Fair										
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	7	[] Attend Career Services Workshop on Interviews										
MAE 271, Free Elec		[] Professional Resume										
MA 238, MAE 284, Sci Elec,		[] Attend Career Fair										
MAE 272, MAE 370		[] Co-op/Internship Offer (Summer Start)										
Research	Intern	uship		Parhuay Parhuay								
	Mileston	ie Year-3										
Research Pathway	Internship	Pathway		Co-op F	Pathway							
[] 98 hours completed including:	[] 98 hours comp		Ī	Dbtain Faculty Me								
MAE 341, EE 213, MAE 371,	Curriculum		ľ	65 hours complete								
MAE 310, HSBS/HFA	[] Summer Intern	-	L		ter (Summer)							
MAE 310, 113B3/11 A MAE 420, MAE 311, MAE 488,	[] Summer intern	isilip			213, MAE 310,							
ISE 321, HSBS/HFA					SBS/HFA (Fall)							
[] Undergraduate Research					ster (Spring)							
[] Attend JUMP Information Session					MAE 311,							
					HFA (Summer)							
			[[] 2 Semesters of Co	o-op							
Milestone Year-4												
Research Pathway	Internship	Pathway Pathway		Co-op F	Pathway							
[] 128 hours completed including:	[] 128 hours com	pleted from	Ī	89 hours complet	ed including:							
MAE 490, MAE 430, MAE 440,	Curriculum	Pathway		Work Sem	nester (Fall)							
MAE 441, Tech Elec, HSBS/HFA	[] Summer Intern	ship		MAE 490,	MAE 471,							
MAE 49x, MAE 471, MAE 468,	[] Senior Design (The second secon		MAE 468, Tec	h Elec (Spring)							
MAE 480, Tech Elec	Degree Comple	· ·			E 430, MAE 440							
[] Undergraduate Research Complete		r Graduate School			S/HFA (Summer)							
Senior Design Complete	1 1 = 58 54. 66. 0		ſ	Experiential Learn								
Degree Complete		1		Decision on Indus								
[] Begin Career or Graduate School		1	J.	or Graduate So	•							
[] Degin career of Graduate School	1	1		or Graduate 30	ATIOUT							
	Miloston	o Voar-5										
Milestone Year-5 Co-op Pathway												
			r	128 hours comple	-							
			<u>l</u>		Tech Elec,							
			l l		80 (Fall)							
			ļ	Senior Design Con	· ·							
			Į!	Degree Complete								
			[[] Begin Career or G	raduate School							

Required Recommended