





### Aerospace Engineering

Aerospace Engineers concentrate mainly on four areas of technology: aerodynamics, structures and materials, propulsion and flight missiles and rockets. mechanics which allows them to develop extraordinary machines. They design, develop and test aircraft, spacecraft, and missiles, and supervise the manufacturing of these products. They develop new technologies for use in aviation, defense systems, and space exploration, and can

specialize in a particular type of aerospace product, such as commercial aircraft, military fighter jets, spacecraft, or



#### **Highlights**

- Huntsville, Alabama has the #1 concentration of Aerospace engineering jobs in the United States.
- Also known as the "Rocket City," Huntsville is deeply rooted in our nation's aerospace industry.
- Students co-op with Boeing, GE, NASA, and many more.
- Average median salary in 2012: \$103,720.



"The work I have done at NASA is exciting and challenging. This experience has inspired me to pursue a career supporting space exploration, and also allows me to work on interesting projects like the Hexacopter in this photo."

Adam Dzuibanek // Decatur, Alabama Senior, Aerospace ENGINEERING

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# Aerospace Engineering 2015/2016 (128 Hours)

tudent A#		T -	T 6		Student Name (Last, First MI)	Offer F=Fa
Semester, Transfer or AP	Grade	Course Number	Cr Hrs	Course Title	Prerequisites, Corequisites and/or Prerequisites with Concurrency	S=S  M=S
Transier of Ar	Orace	Number	1113	English - 6 hours	1 Total distances with contained to	IVI=0
	<u> </u>	EH 101	3	Freshman Composition I	Placement	F
		EH 102	3	Freshman Composition II	EH 101	F
		BH 102	J	Mathematics - 18 hours		+
		MA 171	4	Calculus A	MA 113 or MA 115 or Level III Placement	F
		MA 172	4	Calculus B	MA 171	F
		MA 201	4	Calculus C	MA 172	F
		MA 238		Applied Differential Equations	Prereg w/Con: MA 201	F
		MA 244		Introduction to Linear Algebra	MA 172	F
		MM 244	J	Chemistry - 4 hours	MILL TILE	_
		404			Disset of OLI 404 MA 442 or 445 Decree (1/0 or MA 474 Occor) OLI 405	_
		CH 121	3	General Chemistry I	Plcmt or CH 101, MA 113 or 115, Prereq w/Con: MA 171, Coreq: CH 125	F
		CH 125	1	General Chemistry Lab I	Coreq: CH 121	F
	1	T	_	Physics - 8 hours	In the second second	_
		PH 111	3	General Physics w/Calculus I	MA 171, Coreq: 114	F
		PH 114	1	General Physics Lab I	Coreq: PH 111	F
		PH 112	3	General Physics w/Calculus II	MA 172, PH 111, Coreq: 115	F
		PH 115	1	General Physics Lab II	Coreq: PH 112	F
		_		Science Elective - 3 or 4 hours		
			3		BYS 119, CH 123, PH 113, or 300/400 MA course	F
				History, Social & Behavioral Sciences, Hum	aities & Fine Arts - 18 hours	
			3	History	HY 103, HY 104, HY 221, or HY 222	F
			3	Literature	EH 207 or EH 208	F
			3	Fine Art	ARH 100, ARH 101, ARH 103, CM 122, MU 100, or ARS 160	F
			3	Social & Behavioral Science	For more information on HSBS/HFA Requirements:	F
			3	Sequence Course (HY or EH)	http://www.uah.edu/images/colleges/engineering/CUE2%20Files/	F
			3	HSBS/HFA	Forms/HSBS_HFA_Requirements_05202014.pdf	F
				First-Year Engineering - 4 hours		
		FYE 101	1	First-Year Experience for Engineers	None	
		ENG 101	3	Computing for Engineers	Prereq w/Con: MA 171	,
lass has required la	b section			Aerospace Engineering Option - 61 hours		
		MAE 200	3	Principles of Aeronautics & Astronautics	ENG 101, MA 172, PH 111, Prereq w/Con MAE 211	Т
		MAE 211	2	Introduction to Computer Aided Design	ENG 101, MA 171	F
		EE 213	3	Electrical Circuit Analysis I	Prereg w/Con: PH 112, MA 201	F
		MAE 271	3	Statics	ENG 101, PH 111, Prereg w/Con: MA 201	F
		MAE 272	3	Dynamics	MA 201, MAE/CE 271	F
		+		Numerical Methods	MA 244, MAE 211; Prereq w/Con: MA 238 & Coreq: MAE 284L	F
		IMAE 284	3			
		MAE 284	3			F
		MAE 311	3	Principles of Measurement & Instrumentation	EE 213, MAE 284; Coreq MAE 311L	F
		MAE 311 ISE 321	3	Principles of Measurement & Instrumentation Engineering Economy	EE 213, MAE 284; Coreq MAE 311L MA 171	F
		MAE 311 ISE 321 MAE 330	3 3 4	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics	EE 213, MAE 284; Coreq MAE 311L  MA 171  MAE 200, MAE 271, MA 238	F
		MAE 311 ISE 321 MAE 330 MAE 341	3 3 4 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I	EE 213, MAE 284; Coreq MAE 311L  MA 171  MAE 200, MAE 271, MA 238  MA 201, CH 121, CH 125, PH 112	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343	3 3 4 3 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics	EE 213, MAE 284; Coreq MAE 311L  MA 171  MAE 200, MAE 271, MA 238  MA 201, CH 121, CH 125, PH 112  MAE 200, MA 238, MAE 341	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370	3 3 4 3 3 4	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials	EE 213, MAE 284; Coreq MAE 311L  MA 171  MAE 200, MAE 271, MA 238  MA 201, CH 121, CH 125, PH 112  MAE 200, MA 238, MAE 341  MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 370 MAE 371	3 3 4 3 3 4 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials Aerospace Structures	EE 213, MAE 284; Coreq MAE 311L MA 171 MAE 200, MAE 271, MA 238 MA 201, CH 121, CH 125, PH 112 MAE 200, MA 238, MAE 341 MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L MAE 200, MAE/CE 370	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440	3 3 4 3 3 4 3 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I	EE 213, MAE 284; Coreq MAE 311L MA 171 MAE 200, MAE 271, MA 238 MA 201, CH 121, CH 125, PH 112 MAE 200, MA 238, MAE 341 MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L MAE 200, MAE/CE 370 MAE 343	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440 MAE 441	3 3 4 3 3 4 3 3 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion	EE 213, MAE 284; Coreq MAE 311L MA 171 MAE 200, MAE 271, MA 238 MA 201, CH 121, CH 125, PH 112 MAE 200, MA 238, MAE 341 MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L MAE 200, MAE/CE 370 MAE 343 MAE 343	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440 MAE 441 MAE 468	3 3 4 3 3 4 3 3 3 3	Principles of Measurement & Instrumentation  Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design	EE 213, MAE 284; Coreq MAE 311L MA 171 MAE 200, MAE 271, MA 238 MA 201, CH 121, CH 125, PH 112 MAE 200, MA 238, MAE 341 MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L MAE 200, MAE/CE 370 MAE 343 MAE/CE 272, MAE 371	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440 MAE 441 MAE 468 MAE 471	3 3 4 3 3 4 3 3 3 3 3 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design Advanced Aero Stucture & Materials	EE 213, MAE 284; Coreq MAE 311L MA 171 MAE 200, MAE 271, MA 238 MA 201, CH 121, CH 125, PH 112 MAE 200, MA 238, MAE 341 MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L MAE 200, MAE/CE 370 MAE 343 MAE/CE 272, MAE 371 MAE 311, MAE 371	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480	3 3 4 3 3 4 3 3 3 3 3 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design Advanced Aero Stucture & Materials Aircraft Stability & Control	EE 213, MAE 284; Coreq MAE 311L MA 171 MAE 200, MAE 271, MA 238 MA 201, CH 121, CH 125, PH 112 MAE 200, MA 238, MAE 341 MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L MAE 200, MAE/CE 370 MAE 343 MAE/CE 272, MAE 371 MAE 311, MAE 371 MAE 330, MAE 488	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480 MAE 488	3 3 4 3 3 4 3 3 3 3 3 3 3 3 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design Advanced Aero Stucture & Materials Aircraft Stability & Control Analysis of Engineering Systems	EE 213, MAE 284; Coreq MAE 311L MA 171 MAE 200, MAE 271, MA 238 MA 201, CH 121, CH 125, PH 112 MAE 200, MA 238, MAE 341 MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L MAE 200, MAE/CE 370 MAE 343 MAE/CE 272, MAE 371 MAE 311, MAE 371 MAE 330, MAE 488 EE 213, MAE/CE 272, MAE 284	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480 MAE 488 MAE 490	3 3 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design Advanced Aero Stucture & Materials Aircraft Stability & Control Analysis of Engineering Systems Intro to Engineering Design	EE 213, MAE 284; Coreq MAE 311L MA 171 MAE 200, MAE 271, MA 238 MA 201, CH 121, CH 125, PH 112 MAE 200, MA 238, MAE 341 MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L MAE 200, MAE/CE 370 MAE 343 MAE/CE 272, MAE 371 MAE 311, MAE 371 MAE 311, MAE 371 MAE 330, MAE 488 EE 213, MAE/CE 272, MAE 284 ISE 321 & MAE 311, 341 & (MAE 310, 364, & 378) or (MAE 330, 343, & 371)	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480 MAE 488 MAE 490 MAE 491	3 3 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Principles of Measurement & Instrumentation Engineering Economy Fundamentals of Aerodynamics Thermodynamics I Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design Advanced Aero Stucture & Materials Aircraft Stability & Control Analysis of Engineering Systems Intro to Engineering Design Product Realization	EE 213, MAE 284; Coreq MAE 311L MA 171 MAE 200, MAE 271, MA 238 MA 201, CH 121, CH 125, PH 112 MAE 200, MA 238, MAE 341 MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L MAE 200, MAE/CE 370 MAE 343 MAE/CE 272, MAE 371 MAE 343 MAE/CE 272, MAE 371 MAE 311, MAE 371 MAE 330, MAE 488 EE 213, MAE/CE 272, MAE 284 ISE 321 & MAE 311, 341 & (MAE 310, 364, & 378) or (MAE 330, 343, & 371) MAE 490 & Senior Standing	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480 MAE 488 MAE 490 MAE 491 MAE 492	3 3 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Principles of Measurement & Instrumentation  Engineering Economy Fundamentals of Aerodynamics Thermodynamics I  Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design Advanced Aero Stucture & Materials Aircraft Stability & Control Analysis of Engineering Systems Intro to Engineering Design Product Realization Mission Design & Development	EE 213, MAE 284; Coreq MAE 311L  MA 171  MAE 200, MAE 271, MA 238  MA 201, CH 121, CH 125, PH 112  MAE 200, MA 238, MAE 341  MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L  MAE 200, MAE/CE 370  MAE 343  MAE/CE 272, MAE 371  MAE 311, MAE 371  MAE 330, MAE 488  EE 213, MAE/CE 272, MAE 284  ISE 321 & MAE 311, 341 & (MAE 310, 364, & 378) or (MAE 330, 343, & 371)  MAE 490 & Senior Standing  MAE 490 & Senior Standing	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480 MAE 480 MAE 490 MAE 491 MAE 492 MAE 493	3 3 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Principles of Measurement & Instrumentation  Engineering Economy Fundamentals of Aerodynamics Thermodynamics I  Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design Advanced Aero Stucture & Materials Aircraft Stability & Control Analysis of Engineering Systems Intro to Engineering Design Product Realization Mission Design & Development Rocket Design	EE 213, MAE 284; Coreq MAE 311L  MA 171  MAE 200, MAE 271, MA 238  MA 201, CH 121, CH 125, PH 112  MAE 200, MA 238, MAE 341  MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L  MAE 200, MAE/CE 370  MAE 343  MAE/CE 272, MAE 371  MAE 343  MAE/CE 272, MAE 371  MAE 311, MAE 371  MAE 330, MAE 488  EE 213, MAE/CE 272, MAE 284  ISE 321 & MAE 311, 341 & (MAE 310, 364, & 378) or (MAE 330, 343, & 371)  MAE 490 & Senior Standing  MAE 490 & Senior Standing  MAE 490 & Senior Standing  MAE 490 & Senior Standing	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480 MAE 488 MAE 490 MAE 491 MAE 492	3 3 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Principles of Measurement & Instrumentation  Engineering Economy Fundamentals of Aerodynamics Thermodynamics I  Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design Advanced Aero Stucture & Materials Aircraft Stability & Control Analysis of Engineering Systems Intro to Engineering Design Product Realization Mission Design & Development Rocket Design Aircraft Design	EE 213, MAE 284; Coreq MAE 311L  MA 171  MAE 200, MAE 271, MA 238  MA 201, CH 121, CH 125, PH 112  MAE 200, MA 238, MAE 341  MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L  MAE 200, MAE/CE 370  MAE 343  MAE/CE 272, MAE 371  MAE 311, MAE 371  MAE 330, MAE 488  EE 213, MAE/CE 272, MAE 284  ISE 321 & MAE 311, 341 & (MAE 310, 364, & 378) or (MAE 330, 343, & 371)  MAE 490 & Senior Standing  MAE 490 & Senior Standing	F
		MAE 311 ISE 321 MAE 330 MAE 341 MAE 343 MAE 370 MAE 371 MAE 440 MAE 441 MAE 468 MAE 471 MAE 480 MAE 480 MAE 490 MAE 491 MAE 492 MAE 493	3 3 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Principles of Measurement & Instrumentation  Engineering Economy Fundamentals of Aerodynamics Thermodynamics I  Compressible Aerodynamics Mechanics of Materials Aerospace Structures Rocket Propulsion I Airbreathing Propulsion Elements of Spacecraft Design Advanced Aero Stucture & Materials Aircraft Stability & Control Analysis of Engineering Systems Intro to Engineering Design Product Realization Mission Design & Development Rocket Design	EE 213, MAE 284; Coreq MAE 311L  MA 171  MAE 200, MAE 271, MA 238  MA 201, CH 121, CH 125, PH 112  MAE 200, MA 238, MAE 341  MAE/CE 271, MA 244 & (MAE 211 or CE 111), Coreq: MAE 370L  MAE 200, MAE/CE 370  MAE 343  MAE/CE 272, MAE 371  MAE 343  MAE/CE 272, MAE 371  MAE 311, MAE 371  MAE 330, MAE 488  EE 213, MAE/CE 272, MAE 284  ISE 321 & MAE 311, 341 & (MAE 310, 364, & 378) or (MAE 330, 343, & 371)  MAE 490 & Senior Standing  MAE 490 & Senior Standing  MAE 490 & Senior Standing  MAE 490 & Senior Standing	F

<sup>\*</sup> These courses are offered in alternating summers. Please consult the MAE 5 year plan.

The Catalog is the final authority for all degree requirements.

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

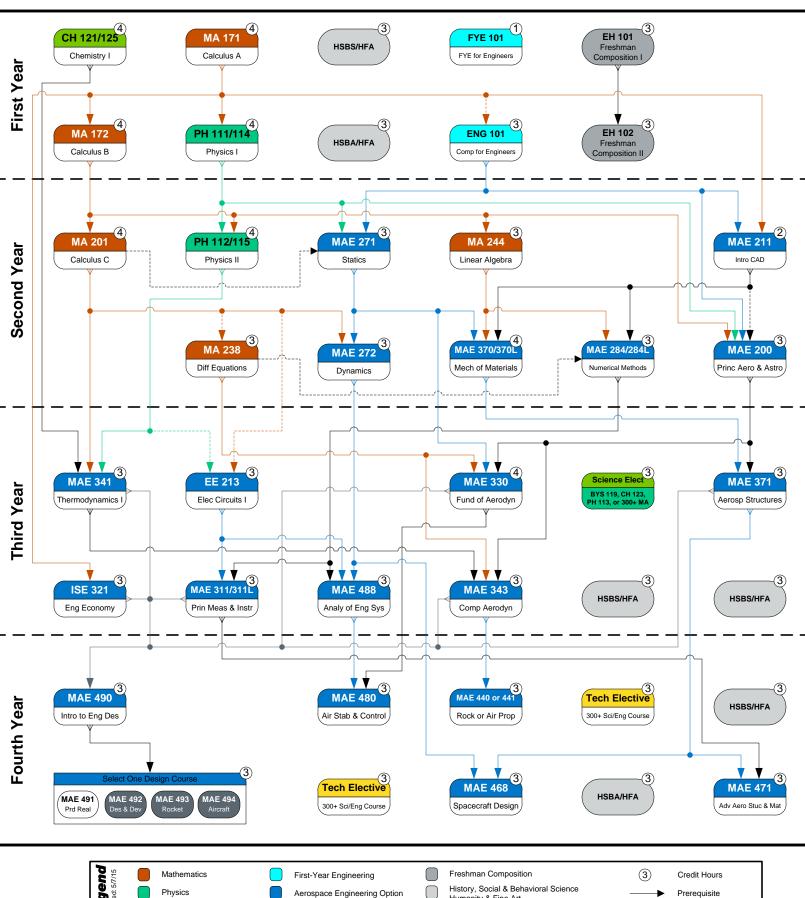
#### **Academic Flowchart**

Chemistry / Biology

Technical Elective



#### **Aerospace Engineering** 2015/2016 (128 Hours)



Humanity & Fine Art

Offered only in semester listed

Prereq w/concurrency



## Mechanical and Aerospace Engineering Department: 4-Year Rolling Class Schedule, Fall 2015 - Spring 2019\*

	Fall 2015	Anticipated Sections	Spring 2016	Anticipated Sections	Fall 2016	Spring 2017	Fall 2017	Spring 2018	Fall 2018	Spring 2019
MAE 100 ** Intro to Mech Eng	Υ	1	N	0	N	N	N	N	N	N
MAE 111 Intro to Comp Tools	Υ	2	Y	2	N	N	N	N	N	N
MAE 115 Machining	Υ	2	Y	2	Υ	Υ	Υ	Υ	Υ	Υ
MAE 200 Principles of Aero/Astro	Υ	1	Υ	1	Υ	Υ	Υ	Υ	Υ	Υ
MAE 211 Intro to Comp Tools	N	0	N	0	Υ	Υ	Υ	Υ	Υ	Υ
MAE 271 Statics	Υ	4	Υ	3	Υ	Υ	Υ	Υ	Υ	Υ
MAE 272 Dynamics	Υ	2	Υ	2	Υ	Υ	Υ	Υ	Υ	Υ
MAE 284 ** Numerical Methods	Υ	1	Υ	1	Υ	Υ	Υ	Υ	Υ	Υ
MAE 310 Fluid Mechanics I	Υ	2	Е	2	Υ	Е	Υ	Е	Υ	E
MAE 311 ** Prin of Measurement/Instr	E	1	Υ	1	E	Υ	E	Υ	Е	Υ
MAE 330 Fund of Aerodynamics	N	0	N	0	Υ	N	Υ	N	Υ	N



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MAE 341 Thermodynamics I	Υ	3	Е	3	Υ	E	Υ	Е	Υ	Е
MAE 342 Thermodynamics II	E	1	Υ	1	Е	Y	E	Υ	Е	Υ
MAE 343 Compress. Aerodynamics	N	0	N	0	N	Y	N	Υ	N	Υ
MAE 364 ** Kinematics/Dyn of Mach	E	2	Y	2	E	Y	Е	Υ	E	Υ
MAE 370 ** Mechanics of Materials	Υ	2	Y	2	Y	Y	Υ	Υ	Υ	Υ
MAE 371 Aerospace Structures	Υ	1	E	1	Y	E	Υ	E	Υ	E
MAE 378 Materials/Manuf Processes	E	1	Υ	1	E	Υ	E	Υ	E	Υ
MAE 420 Compress. Aerodynamics	N	0	Υ	1	N	N	N	N	N	N
MAE 430 Fund of Aerodynamics	Υ	1	N	0	N	N	N	N	N	N
MAE 440 Rocket Propulsion I	Υ	1	N	0	Υ	N	Υ	N	Υ	N
MAE 441 Airbreathing Propulsion	Υ	1	N	0	Υ	N	Υ	N	Υ	N
MAE 450 ** Intro to Heat/ Mass Transfer	Υ	2	E	2	Υ	E	Υ	E	Υ	E
MAE 455 Design of Thermal Systems	N	0	Υ	1	N	Υ	N	Υ	N	Υ



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MAE 461 Vibrations of Elastic Sys	Υ	1	D	0	D	D	D	D	D	D
MAE 463 Intermediate Dynamics	N	0	D	0	D	D	D	D	D	D
MAE 466 Mech/Design of Mach Elmts	Υ	1	N	0	Y	N	Υ	N	Υ	N
MAE 468 Spacecraft Design	Υ	1	Υ	1	E	Υ	E	Υ	E	Υ
MAE 471 Adv Aerospace Structures	Υ	1	Υ	1	E	Υ	E	Υ	E	Υ
MAE 474 Appl Mechanics of Solids	N	0	D	0	D	D	D	D	D	D
MAE 476 Mech/Fab of Compos Matis	N	0	D	0	D	D	D	D	D	D
MAE 477 Exp Tech in Solid Mech	N	0	D	0	D	D	D	D	D	D
MAE 480 Aircraft Stability/Control	Υ	1	E	1	Y	E	Υ	E	Υ	E
MAE 488 Analysis of Eng Systems	Υ	2	Υ	1	E	Υ	E	Υ	E	Υ
MAE 489 Comp-Aided Eng Analysis	Υ	1	E	2	Y	E	Υ	E	Υ	E
MAE 490 Intro to Eng Design	Υ	4	E	2	Y	E	Υ	E	Υ	E
MAE 491 Product Realization	Υ	1	Υ	1	E	Υ	E	Υ	E	Υ



MAE 492 Mission Dev/Design	Υ	1	Υ	1	E	Υ	Е	Υ	E	Υ
MAE 493 Rocket Design	N	0	Υ	1	N	Υ	N	Υ	N	Υ
MAE 494 Aircraft Design	N	0	Υ	1	N	Υ	N	Υ	N	Υ

#### Legend

Υ	Course will be offered in designated term.
Е	Course will likely be offered in designated term, but availability will be determined by faculty availability and budget.
N	Course will not be offered in designated term.
D	Course may be made available given appropriate demand or interest.

UAH College of Engineering will make every effort to adhere to the class plan schedule, but it reserves the right to make necessary adjustments based on budget and faculty availability.

\*\* Course has a required lab section.



# Center for Undergraduate Engineering Education

