

## **Aeronautics & Astronautics Engineering** (Astronautics conc.) College of Engineering

code-BS-AAE Code-XXX

130 Credits for Graduation

					Students must have	e a graduation mue	X 01 Z.U
	ring Major Courses (		)				
_	ired AAE Courses (4	-					
	AAE 20300- Aeromed			, ,	AAE 44000 – Spacec	_	
	AAE 25100 -Intro Ae	-	-		AAE 36401L – Mater	_	d Design I
	AAE 20000 - Underg		r		AAE 45000 – Spacec	_	
(3)	AAE 20400- Aeromed	hanics II		(3) I	ME 20000 - Thermo	dynamics	
(1)	AAE 20401L- Aerome	chanics II	Lab	(3)	AAE 33300 - Fluid N	√echanics —	
(3)	AAE 33400 - Aerody	namics		(1)	AAE 33301L –Fluid I	Mechanics Lab	
(1)	AAE 33401L/AAE 35	201L –Aero	odynamics Lab/ Stru	ıctural Analysis	s Lab (3) AAE 352 -	Structural Analysis	s I
(3)	AAE 34000 - Dynami	cs and Vibi	ations		(3) AAE 3010	0-Signals Analysis	
(3)	AAE 43900 - Rocket j	oropulsion					
(3)	AAE 36400 - Control	System An	alysis				
(0)	AAE 30000 - Undergi	ad Junior S	Seminar				
	AAE 40000 - Undergi	ad Senior	Seminar				
AAE technica	l Electives - ( <u>6 credit</u>	<u>s)</u>					
(3)	Technical Elective I						
(3)	Technical Elective II						
Ma	jor/Minor Electives (	15 credits	5)				
	1 / 5	_					
_	tmental /Program Co						
(4/5)	MA 16500/16100 - (	•		-			
(4/5)	MA 16600/16200 -			rement)			
(4)	CHM 11500 – Genera						
(2)	ENGR 13100- Transfo	_	•		•		
(2)	ENGR 13200 - Transf	_			uirement)		
(3)	ENGL 10600 – Englis	_					
(3)	COM 11400- First-Yea	ar General E	Education Elective( st	rongly recomme	ended )		
(4)	PHYS 17200- Physics	I( Satisfies	FYE requirement)				
(3)	CS 15900 - Science E	Elective( Sa	tisfies FYE requirem	ent)			
(4)	MA 26100 - ( satisfi	es Math an	d physics requireme	ent)			
(3)	MA 26500- ( satisfie	es Math and	d physics requireme	nt)			
(3)	MA 26600 - ( satisfie	es Math and	d physics requireme	nt)			
(3)	MA 30400 - Diff Eqr	for Engr. A	And Sci.				
- (3)	PHYS 24100 - ( Satis	fies Math a	ınd physics requiren	nent)			
(2)	CGT 16300 - Compu	ter Graphi	cs				
	14 is a 'highly recomn					edits of Gen Ed requ	uirement.
	Gen Ed requirement i	s 18 + 3 cr	edits = 21 when incl	uding COM 114	1		
General Elec	tives (18 credits)						
(3) _	G.EI	(3)	G.EIV	()		()	
(3)	G.EII	(3)	G.EV	()		()	
(3)	G.EII G.EIII	(3)	G.E VI	()		()	
University Co	ore Requirements						
Human Cultures H	lumanities			Science, Technolo	ogy & Society Selective		
Human Cultures B	ehavioral/Social Science			Written Commun			
Information Literacy				Oral Communicat	tion		
Science Selective				Quantitative Rea	soning		
Science Selective					-		
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					leting all degree re		
	Degree Wo	rks is kno	wiedge source for s	specific requir	rements and compl	etion	

## **Aeronautical & Astronautical Engineering (Astronautics)**

https://engineering.purdue.edu/AAE/Academics/Undergrad/pos/20130528\_POS\_Instructions.pdf

Suggested Arrangement of Courses:

		Requisites				Requisites	
Credits	Fall 1st Year	Pre	Со	Credits	Spring 1st Year	Pre	Co
4	MA16500			4	MA16600	MA16500	
4	CHM11500			4	PHYS17200		
3	ENGL10600			3	CS15900		
2	ENGR13100			2	ENGR13200	ENGR13100	
2	CGT16300			3	COM11400		
15				16			

		Requisites				Requisites		
Credits	Fall 2nd Year	Pre	Со	Credits	Spring 2nd Year	Pre	Со	
3	AAE20300	PHYS17200	MA26100	3	AAE20400	AAE20300		
3	AAE25100	ENGR13200,	AAE20000	1	AAE20401		AAE20400	
		CGT16300						
4	MA26100			3	PHYS24100	PHYS17200		
3	Gen Elec I			3	MA26600			
3	MA26500			3	ME20000			
0	AAE20000	•		3	Gen Elec II			
16				16				

		Requisites				Red	uisites
Credits	Fall 3rd Year	Pre	Со	Credits	Spring 3rd Year	Pre	Co
3	AAE33300	AAE20300 AAE20000	MA30300 <b>OR</b> MA30400, AAE25100	3		AAE33300, AAE33301, ME20000	
1	AAE33301		AAE33300	1	AAE33401 OR AAE35201		AAE33400 OR AAE35200
3	AAE35200	AAE20400 & AAE20401 & AAE20000	AAE25100	3	AAE34000	AAE20300, MA30400	
3	MA30400			3	AAE36400	AAE30100	
3	AAE30100	AAE20000, MA26500 & MA26600	AAE25100	3	Tech Elec I		
0	AAE30000			3	Gen Elec IV		
3	Gen Elec III						
16				16	_	•	

Credits	Fall 4th Year	Requisites				Requisites	
		Pre	Со	Credits	Spring 4th Year	Pre	Co
3	AAE43900	AAE30000, ME20000	AAE33400	3	AAAE44000	AAE34000	
1	AAE36401	AAE36400		9	Major/Minor Elective	es	
6	Major/Minor Electives			3	AAE45000	AAE33400, AAE34000, AAE35200, AAE36400	AAE40000
3	Gen Elec V			3	Gen Elec VI		
3	Tech Elec II						
0	AAE39500						
16				18			

<sup>\*</sup>Satisfies a University Core Requirement

Students must earn a "C-" or better in all required XX courses.

130 semester credits required for Bachelor of Science degree.

2.0 Graduation GPA required for Bachelor of Science degree.

Degree Works is knowledge source for specific requirements and completion

<sup>\*\*</sup>Satisfies a Non-departmental Major Course Requirement