Program progress and planning form

AEROASTRO COURSE 16 STUDENT PROGRAM PLANNING/PROGRESS

S.B. in Aerospace Engineering – ABET Accredited

This form is intended for students and advisors to devise a plan and keep track of student progress towards the completion of the requirements for the Bachelor of Science in Aerospace Engineering. Since students must satisfy 17 GIRS (~204 units) plus 192 units for the S.B. in 16, a student will most likely carry more than the normal 48-unit term load in at least two terms or enroll in a subject or a for-credit UROP during two Independent Activities Periods (IAP). Note that units from departmental requirements that also fulfill the Lab and REST requirements (a total of 36 units) do not count in units beyond GIRs. To meet the 192-unit requirement, students take a minimum of 48 unrestricted elective units, including UROP, additional HASS or math subjects. Please check the current *MIT Course Catalogue* for subject descriptions, prerequisites, and term schedules, as well as the current Course 16 calendar of capstone and lab subjects.

Student		A	dvisor			
Student(Last)	(First)	(M.I.)				
Double Major (if any)		Intended Graduation Year				
Below please indicate subjects complete 2026, etc.].	d and planned s	subjects by term to be tak	ten [example: FA25=Fall 2025; SP26=Spring			
I. General Requirements						
A. General Institute Requirements (1	7 GIRS)					
<u>Science</u> (6)		<u>HASS</u> (total of 8)				
		Distribution (3)	Concentration (3-4)			
Chemistry (3.091 or 5.11	1) _					
Biology (7)	_					
Physics I (8.01)	_					
Physics II (8.02)						
Calculus I (18.01)		Other HASS	Proposal Form			
Calculus II (18.02)	_		Completion Form			
HASS-Distribution: stude		the 3 HASS-D subject	s from each of the following categories:			
	A115, 111	imamiles, and Social S	ciences.			
<u>Institute Lab</u> (1) 16.405J		<u>REST</u> (2)				
16.811			6.1000, 6.100A-6.100B, 6.100A-16.C20J			
16.821 16.831J		16.001				
10.0313		18.03 or 1	8.032			

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	<u>Communication</u> (satisfied through 4 subjects that can count elsewhere1 CI-H each in freshman and sophomore years and 1 CI-M each in junior and senior years. CI-H CI-H (among subjects designated CI-H in the <i>Course Catalogue</i>)								
		16.405J							
					-	ne subjects :	at <u>http://aeroa</u>	astro.mit.edu/academics/form	<u>s-</u>
		tion/undergradu							
В.	<u>Unrestricted Electives</u> (a minimum of 48 units). A subject that fulfills a student's GIR, core, professional area, capstone, or lab requirement cannot also count as an unrestricted elective.								
	Please list	prerequisites	, if any, in p	parentheses	S.				
))))						
II.	Departme	ntal Requir	ements (a	total of 1	144 units)				
	ore Subjects erequisites an	(108 units) re italicized; co	oreqs are ital	icized and u	inderlined.)				
_		8.01, 18.01, 18. 8.01, 18.02, <u>8.</u>				_	6.1000; 6.10 16.06 <i>(16.06</i>	0A + 6.100B or 16.C20J <i>(6.1)</i>	00A)
_	16.003 (1	8.01, 18.02, 8.	02, 18.03 or	18.032, <u>16</u>	.004)		16.07 (16.00	01 or 16.002, 16.003 or 16.004	4)
_	16.004 (1	8.01,18.02, 8.0	2, 18.03 or	18.032, <u>16.0</u>	003, <u>3.091 or</u>	· 5.11	16.09 (18.02)	or6.3700 (18.02)	
-	18.03 <u>(18.</u>	.02) or 18.032	(18.02)						
		Area Subjects are italicized; o		so underline	ed.)				
M F C F C	Materials and Propulsion — I Computationa Estimation an Computer Systommunication	tics 16.100 (Structures16.50 (16.003, al Tools16.90 d Control 16.50 on Systems Automation	6.20 (16.001) 2.005 or 16. 0 (16.001, 16. 5.30 (16.06 o 0 (6.1910 or 16.36 (6.300)) 004) 5.002, 16.00 r POI) POI; 16.35 0 or 16.002	(1.00 or 6.10 2, 16.09 or 6.	00B or 16.C2 3700)	20J)	I or 6.9080)	
a c	reas. For students	dents who wish	n to complete an 16.100, 1	e an "option 6.20, 16.50,	" in aerospa and 16.90.	ce information Note that the	on technolog e IT option is	s from at least 3 professional y, 36 of the 48 units must s not a degree, nor does it C.V.	
	1 st subjec	t			3rd				
	2nd				$4^{ ext{th}}$				

C. <u>Laboratory/Capstone Subjects</u> (24 units)

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(Prerequisites are italicized; coreqs are also underlined.)	
One of the following subjects: 16.82 Flight Vehicle Engin (2 PAS), 12 16.83J Space Systems Engin (2 PAS), 12 16.85 Design & Testing of Autonomous Vehicles, 16.405J; 16	.35, 16.410 or POI, 12
Plus one of the following subjects: 16.405J/6.4200J Robotics: Science and Systems (1.00 or 6.100A or 16.06; or POI, 12	& 2.003, 6.1010, 6.1210,
16.811 Propulsion Sys Prototyping & Testing for Aerospace II (16.001-002-003-004), 12 16.821 Flight Vehicle Development, <i>POI</i> , 12 16.831J Space Systems Development, <i>POI</i> , 12	Engineers,
Please see the" Course 16 Planned Calendar for Laboratory and Cap (Insert link to Oli's latest version FA25-SP29)	ostone Subjects" at
III. Term-by-Term Worksheet (Please list below all subjects the student intends to take; the list can be up	dated as necessary.)
FALL/IAP-Sophomore	SPRING—Sophomore
FALL/IAP-Junior	SPRINGJunior
FALL/IAP-Senior	SPRINGSenior

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