Name:	Date		
Note: All courses have an ELEN designator	unless ot herwi	se specified.	
1. First & Second Year Program Requir	romonts Too	hnigal (up to 42.5 nts.)	
1. First & Second Year Program Require (for details, see http://bulletin.enginees			
COURSE	GRADE	COURSE	GRADE
MATH V1101 Calculus I (if needed)	GRADE	MATH V1102 Calculus II (if needed)	GRADE
APMA E2000 Multivariable Calculus		WATII v 1102 Calculus II (II lieeded)	
PHYS C1401 (or alternates)		PHYS C1402 (or alternates)	
PHYS C1403 (or alternates)		PHYS C1494 (or alternates)	
CHEM C1403 (or alternates)		ENGI E1006 / COMS W1003/4/7	
ENGI E1102 Gateway Lab		ELEN E1201 Intro. to EE	
APMA E2101 or {MATH V2030 and (APM	IA E3101 or M		/
(
2. Core Required EE Courses & Labs (u	p to 38.5 pts.)	(See bulletin for comments and alternatives.)	
COURSE	GRADE	COURSE	GRADE
E3801/E3084 Signals & Systems / Lab	/		/
E3201/E3081 Circuit Analysis / Lab	/	E3331/E3083 Electronic Circuits / Lab	
E3106 Solid State	· · · · · · · · · · · · · · · · · · ·	E3401 Electromagnetics	
E3043 Sol. State, Mwave, & F.Optics Lab		E3701 Intro. Comm. Sys. or	
IEOR E3658 Probability (or alternate)		CSEE W4119 Computer Networks	
COMS E313* Data Structures		ELEN E3399 EE Practice	
3. Capstone Design Project Course - E33			
		extensive project, one of the following may be sub-	stituted: ELEN
E4350, EECS E4340, CSEE W4840, or ELEN E3	3998/E4998. M	[ust be taken near the end of the program.	
ALTERNAL TRE GOLUNGE			
ALTERNATE COURSE:		Approval:	
	0		10 1110
		a single one of the following four areas not use	a for #1-3.
a. Photonics, Solid State Devices, and Electr	omagnetics	c. Signals & Systems	COL FEME
E4193, E4301, E4401, E4411, E4420, E4944, E4488.		E4511, E4810, E4815, E4830, E4835, E4896, EEME E3 E4601, EEOR E4650.	OUI, EEME
b. Circuits and Electronics		d. Communications & Networking	
E4215, E4312, E4314, EECS E4321, EECS E4340, E43	350, E4361.	E3701, CSEE W4119, CSEE W4140, E4702, E4703, CC	OMS W4180.
		gov.p.g.	
COURSE 1:		COURSE 2:	
5 Ducadth Tachnical Floatives (6 nts.) T	2000 t 11		1 - 41 1 4 - 4
` - /	wo 3000+ level	courses with mostly engineering content from outsid	e the selected
depth area (a-d): Other EE-listed courses (except not suf	ficiently technic	eal ones such as E3900/4900 & EEJR E4901, other c	ourses used for
		e such as E3998/4998 unless documented as being ou	
area.)	or project course	s such as Espace 1990 unless decamented as being of	noide the depth
	OMS W3203, 0	COMS W3101 & 3102, not sufficiently technical co	ourses covering
		d for #1-5 or those with significant overlap, or project	
documented as outside depth area).			
 APPH E4100, APPH 4110, APPH E411 			
		ther SEAS department may be acceptable as long	as they do not
significantly overlap with other courses	used for #1-5.	Please get advisor approval in advance.	
COURSE 1:		COURSE 2:	
COURSE I.		COURSE 2.	
6. Additional Technical Electives (6 pts.,	or 3 nts if full	O.D.E. & Linear Alg. courses taken instead of AP	MA F2101)
		ng math or science) courses that do not overlap with	
		ho do not take ELEN E1201 for a grade or receive	
		to have mostly engineering content. Please get advi	
advance. Music Dept. courses are not allowed			PP
•			
COURSE 1:		COURSE 2 (if needed):	
7 Non Taghniagh Causes Daguisament	(27 nts) (Ad	ministered by the Center for Student Advising	
		Iministered by the Center for Student Advising. bia.edu/first-yearsophomore-program.)	
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