## ELECTRICAL ENGINEERING CURRICULUM CHECKLIST

Name:	Date	: Approval:	
Note: All courses have an ELEN designate			
1. First & Second Year Program Req	uirements - Tecl	nnical (up to 43 5 pts )	
(for details, see http://www.enginee			
COURSE	GRADE	COURSE	GRADE
MATH V1101 Calculus I (if needed)		MATH V1102 Calculus II (if needed)	
MATH V1201 Calculus III		MATH V1202 Calculus IV	
PHYS C1401 (or alternates)		PHYS C1402 (or alternates)	
PHYS C1403 (or alternates)		PHYS C1494 (or alternates)	
CHEM C1403 (or alternates)		COMS W1007 (or alternates)	
ENGI E1102 Gateway Lab		ELEN E1201 Intro. to EE	
APMA E2101 or {MATH E1210 and (AF	PMA E3101 or M	ATH V2010)} (circle which taken)	/
2 Cana Danning LE Courses & Labo	(27.5 4)		
2. Core Required EE Courses & Labs COURSE	GRADE	COURSE	GRADE
E3801/E3084 Signals & Systems / Lab	/		
E3201/E3084 Signals & Systems / Lab	//	E3331/E3083 Electronic Circuits / Lab	/
E3207/E3007 Circuit Anarysis / Eab	/	E3401 Electromagnetics	/
E3043 Sol. State, Mwave, & F.Optics Lab		E3701 Intro. Comm. Sys. or	
IEOR E3658 Probability (or alternate)		CSEE W4119 Computer Networks	
COMS E313x Data Structures		ELEN E3399 EE Practice	
	extensive project, rdware Design, CS	one of the following alternate courses can be use EE W4840 Embedded System Design, or ELEN I	
ALTERNATE COURSE:		Approval:	
<ul> <li>4. Depth Technical Electives (6 pts.) Two courses from a single one of the <ul> <li>a. Photonics, Solid State Devices, and Elections.</li> <li>E4301, E4401, E4405, E4411, E4420, E4501, E4503</li> </ul> </li> <li>b. Circuits and Electronics <ul> <li>E4215, E4312, E4314, E4321, EECS E4340 (if not used for capstone)</li> </ul> </li> </ul>	ctromagnetics , E4944, E4488.	eas, not including courses used for #1-3 above c. Signals & Systems E4810, E4815, E4830, E4896, EEME E3601, EEME d. Communications & Networking E3701 (if not used for core), CSEE W4119 (if not use E4703, COMS W4180	E4601
COURSE 1:		COURSE 2:	_
<ul> <li>EE Dept. listed courses (except E300 significant overlap). Note: E3998/49</li> <li>CS Dept. listed courses (except for and other courses used for #1-5, or the ELEN E3488, ELEN E4193, APPH 1</li> </ul>	rly outside the dep 100, E3488, E3900, 198 projects used he COMS W313X, C tose with significar E4100, APPH 4110 engineering depart	OMS W3203, COMS W3101, COMS W4400, and to overlap).  Ohr APPH E4112 if not using depth area <b>a</b> , ments may be acceptable, as long as they do not one of the company of the	1-5, or those with nd COMS E4405
COURSE 1:		COURSE 2:	_
Eligible courses include any 3000+ level	engineering, math	TH E1210 & APMA E3101 are taken instead of or science courses that do not overlap with other lit for ELEN E1201 need at least one course here to	courses used for
COURSE 1:		COURSE 2 (if needed):	
•	tails in bulletin at	<pre>http://www.engineering.columbia.edu) at Columbia, 2 pts. Phys. Ed., GPA ≥ 2.0)</pre>	
o. General requirements (10tal 2120	, p.cs., <u>~</u> 00 p.cs.	at Conditiona, $2$ providings. Eu., Of $A \leq 2.0$ )	