

COMPUTER ENGINEERING CURRICULUM CHECKLIST

Aug. 2009

Name: _____ Date: _____ Approval: _____

1. First & Second Year Program Requirements - Technical (up to 46.5 pts.)

(for details, see <http://www.engineering.columbia.edu/bulletin>)

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)	_____
CHEM C1403 (or alternates)	_____	PHYS C1493 (or alternates)	_____
COMS W1004 Intro. to CS (if needed)	_____	COMS W1007 Programming - Java	_____
COMS W3203 Discrete Math	_____	ELEN E1201 Intro. to EE	_____
ENGI E1102 Gateway Lab	_____		
APMA E2101 or {MATH E1210 and (APMA E3101 or MATH V2010)} (circle which taken)			_____/____

2. Core Required CMEN Courses & Labs (41.0 pts.)

(for details, see bulletin at <http://www.engineering.columbia.edu/bulletin>)

COURSE	GRADE	COURSE	GRADE
ELEN E3801 Signals & Systems	_____	CSEE W3827 Digital Systems	_____
ELEN E3084 Signals & Systems Lab	_____	ELEN E3082 Digital Systems Lab	_____
ELEN E3201 Circuit Analysis	_____	ELEN E3331 Electronic Circuits	_____
ELEN E3081 Circuit Analysis Lab	_____	ELEN E3083 Electronic Circuits Lab	_____
COMS E3137 Data Structures	_____	COMS W3157 Adv. Programming	_____
IEOR E3658 Probability (or alternates)	_____	COMS W3261 Models of Comp.	_____
COMS W4118 Operating Systems	_____	COMS W4115 Prog. Lang. & Trans.	_____
CSEE W4119 Computer Networks	_____	EECS E4340 Comp. Hard. Des. or	
or CSEE W4823 Adv. Logic Des.	_____	CSEE W4840 Emb. Sys. Des. or	
		CSEE W4140 Networking Lab	_____

3. Technical Electives (15 pts., or 12 pts. if MATH E1210 & APMA E3101 are taken instead of APMA E2101)

Four or five **3000+ level** technical courses. Economics courses cannot be used here. Eligible courses are as follows:

- EE Dept. listed courses (except ELEN E3000, EEHS E3900, EEHS E4900, EEJR E4901, and other courses used for #1-3, or those with significant overlap).
- CS Dept. listed courses (except for COMS W3101, COMS W4400, COMS E4405, and other courses used for #1-3, or those with significant overlap).
- Up to one technical course from outside EE and CS is allowed, as long as it does not overlap with other courses used for #1-3. Please get advisor approval in advance.

COURSE 1: _____ COURSE 2: _____

COURSE 3: _____ COURSE 4: _____

COURSE 5 (if needed): _____

4. Non-Technical Course Requirement (27 pts.)

(administered by Advising Center, details at <http://www.engineering.columbia.edu/bulletin>) _____

5. General Requirements (Total ≥ 128 pts., ≥ 60 pts. at Columbia, 2 pts. Phys. Ed., GPA ≥ 2.0)
