ELECTRICAL ENGINEERING ABET/CURRICULUM CHECKLIST

Name: Date: Approval:

This should be updated each semester in Junior and Senior years. By the final semester, Seniors must have approved copy in file.

1. First & Second Year Program Requirements

2. Core Required EE Courses
   COURSE  GRADE  COURSE  GRADE
   ELEN E3201 Circ. Anal.   ___   ELEN E3401 Electromag.   ___
   ELEN E3301 Elec. Circ.   ___   ELEN E3106 Solid State   ___
   ELEN E3041 EE Lab I   ___   COMS E313X Data Struc.   ___
   ELEN E3042 EE Lab II   ___   MSAE E3111 Thermo   ___
   ELEN E3043 EE Lab III   ___   AMPA E3101 App. Math I   ___
   (or MATH V2010)
   ELEN E3202 Sig. & Sys. I   ___   SIEO W3658 Probability   ___
   (or SIEO W4105)
   ELEN E3203 Sig. & Sys. II   ___
   ELEN E3910 Dig. Sys.   ___
   (or COMS W3823 & W3824)

3. GROUP B COURSE: (ELEN E3940, ELEN E3044, ELEN E4332, EECS E4340, or ELEN E3998 with appropriate project). Must be taken near end of program and include capstone design project.
   COURSE: Approval as group B: ___

4. TWO EE TECHNICAL ELECTIVES (6 points)
   * Any 3000+ level EE Dept. listed course except ELEN E3000, ELEN E3910, EEJR E4901, and courses used for #1-3 above are OK.
   COURSE 1:  COURSE 2: ___

5. ONE "ENGINEERING TOPICS" TECH. ELECTIVE (3 points)
   * No course used for #1-4 above can be used again here - all other courses eligible for #4 above are also OK for #5.
   * Any 3000+ level CS Dept. listed course except for COMS W313X, COMS W3203, COMS W3823, COMS W3101, COMS W4000, and COMS W4005.
   * IEOR E4004, IEOR E4007, and IEOR E4106 are all OK.
   * Most 3000+ level technical courses from other engineering departments are acceptable, with adviser approval, as long as they do not substantially overlap with courses used for #1-4.
   COURSE: Approval if needed: ___

6. ONE ADDITIONAL TECH. ELECTIVE (3 points)
   * No course used for #1-5 above can be used again here - all other courses eligible for #5 above are also OK for #6.
   * Additional courses that are OK to use for #6 are COMS W3203, APMA E3102, APMA E4001, APMA E4101, APMA E4200, APMA E4204, MATH V3028, MATH W4032, MATH W4033, MATH V4041, MATH W4061, SIEO W3602 (only 2 points), and STAT W4107.
   * Other technical courses not listed here need adviser approval.
   COURSE: Approval if needed: ___

7. Non-Technical Courses: 27 pts. (incl. 16 OK for ABET)
   (requirement administered by Class Deans, details in bulletin and at http://www.seas.columbia.edu)

8. Total Credits: 128 (Minimum 60 at Columbia):

9. GPA Requirement (2.0 Minimum): ___
ELECTRICAL ENGINEERING ABET/CURRICULUM SUMMARY  

(4/2/2001)

ABET - BASIC MATH & SCIENCE

MATH V1105  4.0
MATH V1106  4.0
MATH V1205  4.0
MATH E1210  3.0
PHYS C1401  3.0
PHYS C1402  3.0
PHYS C1403  3.0
PHYS C1494  3.0
CHEM C1403  3.0
APMA E3101  3.0
SIEO W3658  2.5
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35.5  >= 32 MINIMUM

ABET - ENGINEERING TOPICS

ELEN E3041  2.0
ELEN E3042  2.0
ELEN E3043  2.0
ELEN E3106  3.5
ELEN E3201  3.5
ELEN E3202  3.5
ELEN E3301  3.0
ELEN E3203  3.0
ELEN E3401  4.0
ELEN E3910  3.0
MSAE E3111  3.0
COMS W313X  3.0+
SIEO W3658  0.5
GROUP B  3.0
GROUP C  9.0+
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48.0+  >= 48 MINIMUM

ABET GENERAL EDUCATION

Non-techs  27.0  >= 16 MINIMUM

OTHER COURSES

ENGR E1102  2.0 - xfer & 3-2 students should have equiv. experience
ELEN E1201  3.0 - xfer & 3-2 students should have equiv. experience
COMS W1007  3.0
PHED C100X  2.0

ABET TOPICS:

* Probability & Statistics:  SIEO W3658 (or advanced substitutes)
* Differential Equations:  MATH E1210
* Computer Science:  COMS W1007 (or substitutes)
* Linear Algebra:  APMA E3101 (or substitutes)
* Complex Variables:  MATH & EE Core Courses
* Discrete Math:  part of SIEO W3658 / part of CS W313X