"Double Major": BS CpE and EE  Sample 5 year plan with Co-op  matriculated 2010-2011

Show how one can complete a double major with CpE and EE, with Enterprise for design option.

Start in MA1160/61. Replace Chemistry with MA3160. EE3180 in place of MA3710.

Total credits vary by student due to starting courses and elective choices.

Note: Time conflicts may occur with this plan & adjustments may be necessary. Plan ahead as much as possible to avoid this.

October 31, 2012

MA2321 and MA3520 may replace MA2321 and MA3521. MA2321 is pre-req for MA3521. MA3521/20 is p-req to EE2110.

Use ECP as primary major, EEE as secondary. Do not take: EE3170, EE3306.

Required for BSEE: MA3160,EE3120,EE3140,EE3180, 15 Cr EE electives, 5cr. Math/sci elec.

Take MA3710 if you cannot get EE3180 complete before EE3173. EE3180 may replace MA3710 on CpE, but MA3710 cannot replace EE3180 on EE. Either MA3710 or EE3180 must be complete for EE3173.

15 credits of EE Electives include EE4173 (3), 9cr "EExxxx" for technical electives + 3 cr EE elec.

See department advisor for help with planning. EERC 131.

Use CS1121 or CS1122 in lieu of CS1131.

ENGL101 (3) Engnr Writing

EE4900 (2) Design Fund (Spring only)

EE4950 & ENT4960 must be consecutive and taken in same enterprise.

EE1000 recommended. Not required.

EE1000 (1) Explorations in Computing Fall (optional)

EX100 (2) Intro to Comp. Sci. I

EE2110 (3) Intro to ECE Lab

EE2301 (1) Intro to ECE Lab

EE4901 & EE4910 instead of Enterprise project work listed above. Add 2 cr. See department advisor for details.

EE1101 (3) Engnr Writing

EE2110 (3) Linear Systems and Control

ENGL102 (3) MODEL & DESIGN


EE2303 (1) Data Structures

EE3305 (1) Advanced Circuits Lab

EE2304 (1) Logic & Signals Lab

EE3313 (3) Systems Programming

EE2200 (3) Univ. Physics 2

EE3913 (3) Comp. Sci II

EE3933 (2) Ent. Project

EE3953 (2) Ent. Project

EE3963 (2) Ent. Project

EE4953 (2) Ent. Project

EE4963 (2) Ent. Project

EE1000 (1) Explorations in Computing Fall (optional)

EE4900 (2) Design Fund (Spring only)

EE4950 & ENT4960 must be consecutive and taken in same enterprise.

EE3180 may replace MA3710 on CpE, but MA3710 cannot replace EE3180 on EE. Either MA3710 or EE3180 must be complete for EE3173.

15 credits of EE Electives include EE4173 (3), 9cr "EExxxx" for technical electives + 3 cr EE elec.

See department advisor for help with planning. EERC 131.

15 17.5 17.5 16 14 or 17 2-4 14.5 16.5 14.5 14

Total 136-144

plus 3 units co-curricular activities

Look up pre-reqs and semester offerings for classes and electives.