

Approved ECE Professional Electives

(Revised November 11, 2008)

Engineering Courses:

Civil Engineering: CE 151, 212, 215, 253, or any courses numbered 300 and above.

Electrical and Computer Engineering: Any ECE course (other than 281) not used for another graduation requirement.

Mechanical Engineering: ME 104, 209, 252, 253, 270, or any courses numbered 300 and above.

General Engineering: GE 109 and GE 495KO. GE 481, 482, and 483 may be used only if the student has completed at least six credits of a cooperative education program in engineering.

Mathematics, Science, and Computer Science Courses:

Biology: BIO 125, 151, 152, 171, 172, 210, 260, or 270.

Chemistry: Any courses numbered 115 and above

Computer Science: Any courses numbered 246 and above except 320.

Mathematics: Any courses numbered 264 and above

Physics: ASTR 252, PHYS 142L, 243, 245, 250, 360, 371, 372, 381, 421, 422, 430, 430L, or 440.

Business Courses:

Accounting: ACC 205, 206, or any courses numbered 300 and above.

Business Law: BLAW 104

Decision Science: Any courses numbered 300 and above.

Finance: Any courses numbered 300 and above.

Management: Any courses numbered 300 and above.

Marketing: Any courses numbered 300 and above.

ROTC Courses:

Any ROTC course used to satisfy the Army ROTC or Air Force ROTC program requirements

Foreign Language Courses:

Chinese: FLC 101, 102, 203, 204

East Asian Studies: EAST 109, 110, 209, 210

French: FLF 101, 102, 203, 204, 307

German: FLGR 101, 102, 203, 204, 307

Japanese: FLJ 101, 102, 203, 204

Spanish: FLS 101, 102, 203, 204, 307

Other Arts and Sciences Courses:

Communication: 140 or 243 (only one of these two may be used), 145, 247, or 344.

Economics: ECON 221, 222, 223, 321, 322, 324, 325, 326, 330, or 333

English: ENGL 300, 310

General Studies: GS 390

Geography and Meteorology: GEO 104, MET 103, or MET 216

Approved ECE Math/Science Electives

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Electrical engineering students are required to take nine credits of math/science electives.
Computer engineering students are required to take three credits of math/science electives.

These electives can be chosen from among the following courses:

Astronomy 252

Biology: 151, 152, 171, 172, 210, 260, or 270.

Chemistry: Any courses numbered 115 and above

Mathematics: Any courses numbered 264 and above

Meteorology: MET 216

ECE 357 (Electrical engineers only)

Physics: 142L, 243, 245, 250, 360, 371, 372, 381, 421, 422, 430, 430L, or 440.