

SUBSTITUTIONS

Students can generally substitute the following courses without prior authorization. Other substitutions or waivers may apply for transfer students or in special circumstances. Contact the EE Dept. Office for more information.

Required	Acceptable Substitutions
PHYS 2401	PHYS 2301 <u>plus</u> PHYS 2101
PHYS 2402	PHYS 2302 <u>plus</u> PHYS 2102
CSCI 1380	Higher level CSCI course if approved by CS Department.
MATH 2346	MATH 2345 <u>plus</u> MATH 3373
ENG 1301	ENG 1387
ENG 1302	ENG 1388
MATH 1401	MATH 1487
MATH 1402	MATH 1488
MECE 2405	MECE 2303 <u>plus</u> MECE 2304

GENERAL EDUCATION REQUIREMENTS

Electrical Engineering students must satisfy the University General Education (Core) Requirements. In some areas, the selections are more restricted than in the General Education section of the University catalog, due to departmental requirements.

Requirement	Allowed Selections
Freshman English (6 hrs)	1. ENG 1301 or 1387, <u>and</u> 2. ENG 1302 or 1388.
English Literature (3 hrs)	Any one of the following: ENG 2300, 2303, 2305, 2307, 2308, 2313, 2387, 2388
Foreign Language (3 hrs)	Any one of the following: CHIN 1391, 1392; FREN 1321, 1322, 1387, 1388; GERM 1331, 1332; JAPN 1351, 1352; SPAN 1301, 1302, 1303, 1304, 1387, 1388; COMD 1310, 1320. In general, a higher level course may be substituted for any of these courses.
Arts Course (3 hrs)	Any one of the following: ART 1301, 3381; COM 2312; KIN 2323; MUS 1307, 1308, 2301, 2302, 3311
Philosophy (3 hrs)	PHIL 2390
Natural Science (8 hrs)	1. PHYS 2401 or PHYS 2301/2101, <u>and</u> 2. PHYS 2402 or PHYS 2302/2102
Mathematics (3 hrs)	MATH 1401. Three hours are counted toward the core, and one hour toward other degree requirements. Lower level courses may be needed as preparatory work depending on test scores, but they do not count toward the EE degree.
Computer Literacy (2 hrs)	CSCI 1380, or 3 hour higher level CSCI course if approved by CS department. Two hours are counted toward the core, and one hour toward other degree requirements.
Kinesiology (2 hrs)	Any wellness activity course. Kinesiology "theory" courses generally are not acceptable.
History (6 hrs)	1. HIST 2313 or 2387, <u>and</u> 2. HIST 2314 or 2388.
Political Science (6 hrs)	1. POLS 2313 or 2387, <u>and</u> 2. POLS 2314 or 2388.
Social Science	ECON 2301

TECHNICAL ELECTIVES

The general rule is that any 3000 or 4000 level ELEE course that is not otherwise required for the BSEE degree may be counted as a technical elective, except ELEE 3305 and 3306. ELEE 3340 may not be counted as an elective, since it is an option for a required course. Electives currently in the catalog are:

Number	Title
ELEE 3370	Power Electronics
ELEE 3371	Electrical Power System Design
ELEE 4360	Microwave Systems Engineering
ELEE 4365	Digital Signal Processing
ELEE 4366	Image Processing
ELEE 4367	Fiber Optics
ELEE 4380	Computer Architecture
ELEE 4390	Communications Networks
ELEE 4333	Topics in Electrical Engineering

ELEE 4333 (Topics in Electrical Engineering) may be repeated for credit if the topics vary.