

SELECT and Approved Electives – for Electrical Engineering

* Review your online degree audit report for correct choices before and after adding courses to your schedule.

Look up semester offerings and pre-requisites online using the Schedule of Classes and/or online course descriptions

Courses graded pass/fail or taken under 'audit' option do not qualify. Courses must be Normal-graded (A-D).

SELECT Approved Elective choices:

Course Name	Title	Lec-Rec-Lab			Prerequisite(s)
		Credits	Semester		
CS 1142	Programming at the H/S Interface	0-3-0	F,S,Sm		CS1122 or CS1131
BE 2400	Cellular & Molecular Biology	0-3-0	F		CH1150 and MA1160/61)
BL 2010	Anatomy & Physiology I	3-0-0	F, Sm		CH1000 or (CH1150 and CH1151)
CEE 3501	Environmental Engg. Fundamentals	0-3-0	F		MA2160 and CH1150 and CH1151)
CEE 3502	Env. Monitoring & Measurement Anal	0-2-3	S		MA2160 and CH1150 and CH1151)
EC 3400	Economic Decision Analysis	3-0-0	F,S,Sm		UN1015, UN1025 (or Lang. 3xxx); JR,SR standing
EE3373/EET	Intro to Programmable Controllers	0-2-3	F		EE2112 or EE3010
ENG 2120	Statics-Strength of Materials	0-4-0	F		MA 2160 and PH 2100 and ENG 1102
ENG 3200	Thermodynamics/Fluid Mechanics	0-4-0	F,S		MA 2160 & (CH 1150 and CH 1151) & PH 2100 & ENG 1102
ENG 4510	Sustainable Futures I	3-0-0	F		Junior or Senior standing
MEEM 2110	Statics	0-3-0	F, S, Sm		COE enrolled and MA 2160
MEEM 2150	Mechanics of Materials	0-3-0	F, S, Sm		COE enrolled and MEEM 2110
MEEM 2201	Energy-Thermal Fluids I	0-3-0	F, S, Sm		COE enrolled and MA 2160 and CH 1150 and CH 1151
MEEM 2700	Dynamics	0-3-0	F, S, Sm		PH 2100 and (MEEM 2110 or ENG 2120) and MA 3160(C)
MEEM 3201	Intro Fluid Mechanics & Heat Transfer	0-3-0	F, S, Sm		MEEM 2201 and MEEM 2911 and MA 3160
MSE 2100	Intro to Materials Science Engineering	3-0-0	F, S, Sm		CH1150 and CH1151
MSE 4292/PH	Light and Photonic Materials	3-0-0	F		PH2200 or EE2190 or EE3140; JR or SR
PH 2300	University Physics III - Fluids & Thermo	4-0-0	S		PH1160 or PH2100
PH 2400	University Physics IV - Waves and Mod	3-0-0	F, S, Sm		PH2200 or PH2260
PH 3300	Thermodynamics & Statistical Mechanic	3-0-0	S		PH2300 or PH1360

Approved Electives - Choose remaining credits from the list above or below.

The interactive online degree audit (uAchieve) shows the number of credits needed, based on Senior Design or Enterprise design option, and by concentration.

Inclusions: (except: all pass/fail courses; all "nXXE" transfer courses (which may be reviewed for approval with syllabus)).

Any MA course at least 3000 level except MA3720 or MA4945.

Any BL course except BL3990.

Any CH course number CH1152 or higher

Any PH course numbered PH1600 and higher, except PH2230.

MAA, MAnXXE, not accepted.

Any CS course

Any EE course except EE3010 (maximum of 4 credits EE)

ENG2000-ENG4890 except ENG 2060, 3060, 4060, 4070, 2990, 3530, 3830, 3990,3993, 4160, 4900, 4905, 4910, and ENG4990.

Any BE, CE, CM except CM3410, GE, MEEM, MSE course

EET3373, EET4373 (no other EET courses may be used)

Any ENT course except ENT1950

UN4000 Remote Sensing Seminar

UN3002, UN3003, UN3004 Co-op (see degree audit for maximum allowed).