

2019 ECSE ELECTIVES:

SEMESTER 1:

ECE3093**	Opt, est. & num. meth.	((ECE2111 OR ECE2011) & (ENG2005 OR ENG2092))
ECE4042	Communications theory	(ECE3141 or ECE2041)
ECE4045	Network performance	(ECE3141 or ECE2041)
ECE4055	Electrical energy-power electronic applications	(ECE3161 OR ECE2061)
ECE4076	Computer Vision	((ENG2005 OR ENG2092) & ECE2071 & (ECE2111 OR TRC3500))
ECE4081	Medical instrumentation	(ECE3161 OR ECE2061)
ENG4700	Eng tech for biomed imaging & sensing	(90cps)
TRC3500	Sensors and artificial perception	((ECE2131, ECE2031 OR ECE2061) & ECE2071)

SEMESTER 2:

ECE4043	Optical communications	((ECE3121 OR ECE2021) & (ECE3141 OR ECE2041))
ECE4053	Electrical energy—generation & supply	((ECE3161 OR ECE2061) & ECE3051coreq)
ECE4058	Electrical energy-high voltage eng	(ECE3121 OR ECE2021)
ECE4087	Medical technology innovation	(none)
ECE4122**	Advanced electromagnetics	(ECE3121 OR ECE2021)
ECE4146	Multimedia technologies	(ECE3141 OR ECE2041)
ECE4179	Neural networks & deep learning	(ENG2005 & ECE2071)

ECE3093 and ECE4122 are core units for students who commenced level 1 prior to 2016 and electives for students commencing level 1 from 2016 onwards (new course codes E3xxx)

*A MASTERS ELECTIVE CAN BE CHOSEN BY STUDENTS WHO HAVE COMPLETED EITHER ECE3091 OR 132CPS AND HAVE AN HWA OF 70%+

*APPROVAL FROM ACADEMIC PROGRAMS MANAGER REQUIRED

Semester 1:	ECE5881 Real time system design	(ECE3073)
	ECE5883 Advanced signal processing	(ECE2111 or ECE2011)
Semester 2:	ECE5882 Advanced electronics design	((ECE3121 or ECE2021),(ECE3161 OR ECE3062))
	ECE5884 Wireless communication	((ECE3141 or ECE2041), ECE4042))
	ECE5886 Smart grids	(none)