

Master of Engineering Electrical and Computer Engineering Degree Requirement

(as of September 2022)

Degree Requirement:

Students should take 45 credits from 6000-level courses as identified below:

(5 Credits) From topic area “E09 - Professional Leadership Skills” including 1-credit course ENCS6201, other four 1-credit (ENCS 692) courses or one 4-credit course.

(24 Credits) Students must select two concentrations from the Topic Areas listed below, with minimum of 12 credits taken from each of the two Topic Areas selected:

E03 - Systems and Control

E42 - Communication Systems and Networks

E43 - Micro-Devices and Fabrication Processes

E44 - Fields, Waves and Optoelectronics

E45 - Electrical Power Engineering

E47 - Signal Processing

E48 - Computing Systems

F03 - Microelectronic Systems

(16 Credits) From following topic area:

E01 - Mathematical Methods

E03 - Systems and Control

E10 - Robotics

E42 - Communication Systems and Networks

E43 - Micro-Devices and Fabrication Processes

E44 - Fields, Waves and Optoelectronics

E45 - Electrical Power Engineering

E47 - Signal Processing

E48 - Computing Systems

F03 – Microelectronic Systems

ELEC 691 and COEN 691 courses

Maximum of 8 credits from ENGR 6971, ENGR 6981 or ENCS 6921

Note: Students who have started their program before Fall 2022 may take

- a) ELEC 6961 (1 credit) instead of ENCS 6201 (1 credit)
- b) ENGR 6991 (5 credits) instead of 1-credit course of item a) and ENGR 6971(4 credits) or ENGR 6981(4 credits).