Catalog of Postgraduate Programs and Curricula

Curriculum for MSc(ELET)
(For students admitted in 2010-11)

Program Requirements for Master of Science (MSc) Program in Electronic Technology

Credits

To complete a total of **24 credits** of coursework, including:

- 15 credits of foundation courses; and

- 9 credits of elective courses.

Courses

1. Foundation courses (15 credits):

EESM	501	*CMOS VLSI Design*
EESM	510	*Photonics Technology and Applications*
EESM	514	*Digital Communication Networks and Systems*
EESM	518	*VLSI Signal Processing Architecture*
EESM	525	*Flat Panel Displays*
EESM	532	*Image and Video Signal Processing*
EESM	534	*Signal Analysis and Pattern Recognition*
EESM	546	*Wireless Communication Systems*
EESM	570	*Feedback Control*
EESM	581	*Advanced Computer and Networking Architectures*
EESM	600	*Special Topics*
EESM	690	*Independent Study*

2. Elective courses (9 credits):

   Students may take the remaining 9 credits of coursework from the above course list. Alternatively, subject to the prior approval of the Program Director, students may take a maximum of 9 credits of coursework offered by other self-financing MSc programs, including:

   - A maximum of 9 credits of EESM courses offered by the MSc program in IC Design Engineering, and the MSc program in Telecommunications, or

   - A maximum of 3 credits of non-EESM courses.

Credit Transfer

All credit transfer must be approved by the Program Director and is subject to University regulations governing credit transfer.