MM06 – MASTER OF SCIENCE (MICROELECTRONIC SYSTEM DESIGN ENGINEERING) – FULL TIME

YEAR	FIRST	
SEMESTER	**I**	**II**
Core	NSJ13103 – Digital Integrated Circuit Design	
	NSJ13203 – Analog and Mixed Signal Design	
	NSJ13304 – VLSI Circuit Design	
	NSJ13403 – Design for Testability	
	NSJ15103 – Research Methodology*	
Dissertation	NSJ15804 – Dissertation I*	NSJ15916 – Dissertation II*
Elective (choose 1)		NSJ13504 – Microelectromechanical Systems (MEMS) Design NSJ13604 – System on Chip Architecture NSJ13704 – Microfabrication and Failure Analysis NSJ13804 – Optoelectronic Devices NSJ13904 – Nanoelectronic Devices
	20	20

*Share with MM21 - MSc (Embedded System Design Engineering) programme

Elective Subject (Choose 1)

NSJ13504 – Microelectromechanical Systems (MEMS) Design
NSJ13604 – System on Chip Architecture
NSJ13704 – Microfabrication and Failure Analysis
NSJ13804 – Optoelectronic Devices

MM06 – MASTER OF SCIENCE (MICROELECTRONIC SYSTEM DESIGN ENGINEERING) – PART TIME

YEAR	FIRST		SECOND	
SEMESTER	I	II	III	IV
Subject	NSJ13203 – Analog and Mixed Signal Design	NSJ13304 – VLSI Circuit Design	NSJ15804 – Dissertation I*	NSJ15916 – Dissertation II*
	NSJ13403 – Design for Testability	NSJ13103 – Digital Integrated Circuit Design	NSJ15103 – Research Methodology*	
			Elective I	
	6	7	11	16

*Share with MM21 - MSc (Embedded System Design Engineering) programme

Elective Subject (Choose 1)

NSJ13504 – Microelectromechanical Systems (MEMS) Design
NSJ13604 – System on Chip Architecture
NSJ13704 – Microfabrication and Failure Analysis
NSJ13804 – Optoelectronic Devices