TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
363 P. Casal St. Quiapo, Manila

GRADUATE
PROGRAMS

MANILA

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001 =

CURRICULUM LEADING TO THE DEGREE OF
MASTER OF SCIENCE IN COMPUTER SCIENCE
EFFECTIVE SECOND SEMESTER OF SY 2020 – 2021

Catalog	No.	Descriptive Title	Hours/Week Lec	Lab	Credit
REMEDIAL COURSES (12 UNITS)					
MITRC	012L1	Data Structures and Algorithms	2	3	(3)
MITRC	022L1	Computer Systems Organization	2	3	(3)
MISRC	032L1	Information Management and Database Systems	2	3	(3)
MITRC	042L1	Computer Programming	2	3	(3)
MCSRC	053	Discrete Structures	3	0	(3)
CORE COURSES (15 UNITS)					
MCSCC	123	Advanced Data Structures and Algorithm	3	0	3
MCSCC	133	Advanced Computer Organization and Architecture	3	0	3
PSMDSSC	103	Applied Machine Learning	3	0	3
MCSCC	153	Automata, Computability and Formal Languages	3	0	3
MCSCC	163	Language Translation and Execution	3	0	3
ELECTIVE COURSES (9 UNITS)					
MCSELEC	213	Advanced Software Engineering	3	0	3
MISCC	123	Human – Computer Interaction	3	0	3
MCSELEC	233	Digital Signal Processing	3	0	3
MCSELEC	243	Networking and Communications	3	0	3
MCSELEC	263	Distributed Computer Systems	3	0	3
MCSELEC	273	Intelligent Systems	3	0	3
MCSELEC	293	Cryptography	3	0	3
MITCC	113	Platform Technologies	3	0	3
MITELEC	101	Special Topics	3	0	3
MCSELEC	223	Computer Vision and Image Processing	3	0	3
CAPSTONE COURSES (6 UNITS)					
MSCST	413	Thesis 1	3	0	3
MSCST	423	Thesis 2	3	0	3

TOTAL = 30 (12) UNITS