QUANTUM COMPUTING, MASTER OF SCIENCE (M.S.)

Course	Title	Credits
Core courses		
MSQC601	(Mathematics and Methods of Quantum Computing)	3
MSQC602	(The Physics of Quantum Devices)	3
MSQC604	(Quantum Computing Architectures and Algorithms)	3
MSQC605	(Advanced Topics in Quantum Computing)	3
MSQC606	(Practical Quantum Computing)	3
MSQC607	(Advanced Topics in Quantum Computing)	3
Elective courses		**12**
MSQC603	Principles of Machine Learning	
MSQC610	(Quantum Machine Learning- elective)	
MSQC611	(Quantum Networks- elective)	
MSQC612	(Quantum Computing Hardware- elective)	
MSQC613	(Quantum Monte Carlo and Applications- elective)	
MSQC614	(Quantum Information Theory- elective)	
MSQC615	(Quantum Thermodynamics- elective)	
Total Credits		**30**