

Faculty of Engineering - Faculty Core Courses

	Course Code	Course Titles
1	ENGG 5101	Advanced Computer Architecture
2	ENGG 5103	Techniques for Data Mining
3	ENGG 5104	Image Processing and Computer Vision
4	ENGG 5105	Computer and Network Security
5	ENGG 5106	Information Retrieval and Search Engines
6	ENGG 5108	Big Data Analytics
7	ENGG 5189	Advanced Artificial Intelligence
8	ENGG 5281	Advanced Microwave Engineering
9	ENGG 5202	Pattern Recognition
10	ENGG 5282	Nanoelectronics
11	ENGG 5291	Fiber Optics: Principles and Technologies
12	ENGG 5301	Information Theory
13	ENGG 5302	Random Processes
14	ENGG 5392	Lightwave System Technologies
15	ENGG 5383	Applied Cryptography
16	ENGG 5303	Advanced Wireless Communications
17	ENGG 5402	Advanced Robotics
18	ENGG 5403	Linear System Theory and Design
19	ENGG 5404	Micromachining and Microelectromechanical Systems
20	ENGG 5405	Theory of Engineering Design
21	ENGG 5501	Foundations of Optimization
22	ENGG5601	Principles of Biomechanics and Biomaterials
23	ENGG5781	Matrix Analysis and Computations