

Completion Requirements

- 1) Pass all courses. Achieve a total of 46 credit hours with a minimum of cumulative 'B' grade or CGPA of 3.0.
- 2) Pass Master Project and produce a Master Project report successfully.

No.	Courses	Discipline
1.	Systems Engineering and Analysis	Core Courses (Compulsory)
2.	Systems Optimization and Analysis for Operations	
3.	Simulation Modelling and Analysis	
4.	Project Management for Systems Engineer	
5.	Internet of Everything (IoE)	
6.	Intelligent Data Analysis	
7.	Engineering Management, Safety and Economy	Elective Courses (Choose four (4) only) General Elective Discipline
8.	Data Analysis for Systems Engineering	
9.	Entrepreneurship for Scientists and Engineers	
10.	Scientific Computing for System Engineer	
11.	Special Topic	
12.	Open Elective (Faculty)	
13.	Open Elective (University)	
14.	Intelligent Systems	Intelligence Systems Discipline
15.	Human-Computer Interaction Design	
16.	Biometrics	
17.	Advanced Sensor Systems	
18.	Cloud Computing for Big Data	
19.	Ergonomic and Human Factor Engineering	Industrial Systems Discipline
20.	Lean Operations	
21.	Supply Chain Management	
22.	Maintenance Management	
23.	Ubiquitous Computing	Communication Systems Discipline
24.	Optical Engineering and Communications	
25.	Current Topics in Wireless Technology	
26.	Wireless Communication and Networking	
27.	Smart Grid and Sustainable Electricity Systems	Communication System for Industrial Revolution 4.0 Discipline
28.	Internet of Things (IoT) for Disruptive Technology	
29.	Phyton Programming for Systems Engineer	
30.	Renewable, Clean Energy and Hydrogen Economy	
31.	Wireless Infrastructure Security	
32.	System Processor and Peripherals	