

Completion Requirements

- 1) Pass all courses and achieve a total of 46 credit hours with a minimum CGPA of 3.0.
- 2) Achieve a pass in Masters Project and submit Project Report.
- 3) Present the research project through oral exam and pass the exam.

No.	Courses	Discipline
1.	Statistical Methods for Professionals	Core Courses (Compulsory) Core Courses – Science Specialization 1: Applied Mathematics
2.	Mathematical Modeling in Science and Management	
3.	Computational Methods for Professionals	
4.	Numerical Differential Equations	
5.	Linear and Non-Linear Programming	Specialization 2: Operation Research
6.	Operations Research for Professionals	
7.	Decision Analysis for Professionals	
8.	Management of Information Systems	
9.	Nanostructures & Nanotechnology	Specialization 3: Nanophysics
10.	Characterization and Fabrication at the Nanoscale	
11.	Methods of Experimental Physics	
12.	Material Science	
13.	Advanced Materials Chemistry	Specialization 4: Applied Chemistry
14.	Nano-Chemistry	
15.	Consumer Chemistry	
16.	Green Chemistry	
17.	Management for Professionals	Core Courses – Management
18.	Human Resource Management for Professionals	
19.	Entrepreneurship and New Business Creation	
20.	Advanced Statistical Methods	Elective Course (Select three (3))
21.	Advanced Nanostructures and Nanotechnology	
22.	Modern Physics for Innovation	
23.	Simulation for Professional Science	
24.	Multivariate Analysis	
25.	Supply Chain Modeling	
26.	Computational Chemistry	
27.	Instrumental Analysis	
28.	Creative Thinking and Problem Solving	
29.	Industrial Relations and Employment Law	
30.	Strategic Management for Professionals	
31.	Human Resource Management for Professionals	
32.	Human Resource Development	
33.	Management of Change	
34.	Sustainable Development and Environmental Management	
35.	Quality Management	
36.	Financial Management	

37.	Masters Project 1	Masters Project
38.	Masters Project 2	
39.	Research Methodology	University General Courses (Compulsory)
40.	Environmental Ethics	University General Courses Choose one (1) only
41.	Information and Communication Technology Ethics and Society	
42.	Informatics in Society	
43.	Malaysian Society and Culture (For International Student Only)	
	OR any other university course offered by other faculties.	