

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 the Masters Project through oral presentation and submission of a comprehensive project report with a maximum of 200 pages.

No.	Courses	Discipline
1.	Engineering Design Optimization	Core Courses (Compulsory)
2.	Technovation Management	
3.	Engineering Design Process and Methodology	
4.	Materials Selection and Manufacturing Process	
5.	Computer Aided Design (CAD) / Computer Aided Engineering (CAE)	
6.	Creativity and Innovation Management	
7.	Automotive Engineering Design	Elective Courses Mechanical System Design Elective
8.	Design for Reliability	
9.	Fluid Power	
10.	New Product Development	
11.	Mechatronics System Design	
12.	Metrology and Measurement	
13.	Special Topic	
14.	Life Cycle Cost Analysis for Engineers	Products Design Elective
15.	Design for Sustainability	
16.	Entrepreneurship and Marketing	
17.	Theory of Inventive Problem Solving (Triz)	
18.	Robust Product Design	
19.	Industrial Design and Human Factors	
20.	Special Topic	
21.	Advanced Digital System Design	Electronics System Design Elective
22.	Wireless Communications Systems	
23.	Advanced Communications Electronics	
24.	Advanced Sensor System	
25.	System Processors and Peripherals	
26.	Special Topic	
27.	Master Project 1	Masters Project
28.	Master Project 2	
29.	Research Methodology	University General Courses (Compulsory)
30.	Environmental Ethics	University General Courses Choose one (1) only
31.	Information and Communication Technology Ethics and Society	
32.	Seminar on Global Development, Economic and Social Issues	
33.	Philosophy of Science and Social Development	
34.	Dynamics of Leadership	
35.	Malaysian Society and Culture	
36.	Malay Language for Postgraduates	
37.	Organizational Behavior and Development	
38.	IT Project Management	
39.	Japanese Language	

