

## 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.	Philosophy in Engineering Education	Core Courses (Compulsory)
2.	Teaching and Learning in Engineering Education	
3.	Assessment in Engineering Education	
4.	Curriculum Development in Engineering Education	
5.	Instructional Design in Engineering Education	
6.	Data Analysis in Engineering Education	
7.	Professional Development in Engineering Education	Elective Courses (Choose four (4) only) Professional Development
8.	Trends in Engineering Education	
9.	Instrument Development Theory and Applications	
10.	Practical Engineering Experience	
11.	Practical Teaching Experience	
12.	Operations Competitive Strategy and Management	Management
13.	Quality for Business Sustainability	
14.	Leading Talent in Organizations	
15.	Technovation Management	
16.	Cognitive Psychology	Philosophy and Educational Psychology
17.	Advanced Educational Psychology	
18.	Theories of Motivation	
19.	Development and Epistemology of Engineering Thinking	
20.	Islamic Philosophy of Science and Technology	
19.	Master Project 1	Master Project
20.	Master Project 2	
21.	Research Methodology	University General Courses (Compulsory)
22.	Environmental Ethics	University General Courses Choose one (1) only
23.	Information and Communication Technology Ethics and Society	
24.	Seminar on Global Development, Economy and Social Issues	
25.	Malaysian Society and Culture	
26.	Malay Language for Postgraduates	
27.	Organizational Behavior and Development	
28.	Japanese Language	