

Recommended Semester Plan for AI & Robotics Major

S. No.	Module Code	Module Title	MCs	Semester
1	ZZ-1101	Mathematical Methods for the Sciences (Degree Core)	4	<i>1st</i>
2	ZZ-1102	Programming Fundamentals (Degree Core)	4	
3	LE-1503	Communication Skills I: Academic Reading and Writing Skills	4	
4	ZC-1201	Computer Architecture and Organisation (Major Core)	4	
		Semester MCs	16	
5	ZZ-1103	Introduction to Digital Transformation (Degree Core)	4	<i>2nd</i>
6	PB-1503	Melayu Islam Beraja (MIB)	4	
7	LE-2503	Communication Skills II: Academic Report Writing and Presentation	4	
8	ZA-2204	Electronics for Intelligent Systems (Core)	4	
9		Major Option Level 1 or higher (ZX-1201 or ZS-1201 or ZD-1201)	4	
		Semester MCs	20	
10	ZA-2201	Artificial Intelligence (Major Core)	4	<i>3rd</i>
11	ZA-2202	Physical Computing for Intelligent Systems (Major Core)	4	
12	ZC-2205	Data Structures and Algorithms (Major Core)	4	
13	MS-1501	Islamic Civilisation and the Modern World	4	
14		Major Option Level 2 or higher (ZC-2201 or ZC-2203 or ZS-2201)	4	
		Semester MCs	20	
15	ZA-2203	Robotic Systems (Major Core)	4	<i>4th</i>
16	ZC-2202	Operating Systems (Major Core)	4	
17		Major Option Level 2000 or higher	4	
18		Remaining Breadth or Option	4	
		Semester MCs	16	
19	ZA-3201	AI Application Lab (Major Core)	4	<i>5th</i>
20	ZA-3202	Machine Learning (Major Core)	4	
21		Major Option Level 2000 or higher	4	
22		Remaining Breadth or Option	4	
		Semester MCs	16	
23	DW-3001	DY 1	16	<i>6th</i>
		Semester MCs	16	
24	DW-3002	DY 2	16	<i>Summer</i>
		Semester MCs	16	
25	ZC-4202	Entrepreneurship for Digital Scientists (Major Core)	4	<i>7th</i>
26	ZA-4290	Final Year Project (Major Core)	4	
27		Major Option Level 4000	4	
28		Remaining Breadth or Option	4	
		Semester MCs	16	
29	ZA-4290	Final Year Project (Major Core)	4	<i>8th</i>
30		Major Option Level 4000	4	
31		Major Option Level 4000	4	
32		Major Option Level 2000 or higher	4	
		Semester MCs	16	
		Total MCs	152	