

Advisory Plan for Artificial Intelligence - Plan 11								
First Year								
First Semester					Second Semester			
No.	Course Name	Cr.hrs	Prerequisite		No.	Course Name	Cr.hrs	Prerequisite
___	Level Exam (Arabic, English, Computer)	0	___		1501112	Computer Programming (2)	3	1501110
___	Compulsory university requirement	3	___		1501113	Programming (2) Lab	1	1501111
1501114	Fundamentals of Information Technology	3	___		1506140	Fundamentals of Cybersecurity	3	___
1501110	Computer Programming (1)	3	___		1505201	Introduction to Artificial Intelligence	3	1501110
1501111	Programming (1) Lab	1	___		1505101	Programming in Python	3	1501110
1501130	Digital Logic Design	3	___		___	University Elective course	3	___
	Sum	13				Sum	16	

Second Year								
First Semester					Second Semester			
No.	Course Name	Cr.hrs	Prerequisite		No.	Course Name	Cr.hrs	Prerequisite
—	Department Elective Course	3	—		1506180	Web programming 1	3	1501110
—	University Elective course	3	—		1506181	Web 1 Lab	1	1501111
1501221	Data Structures	3	1501112		1505311	Machine Learning	3	1505201/1505101
1501222	Database Systems	3	1501112		300101	support requirement (calculus 1)	3	—
1505223	Artificial Intelligence Programming and tools	3	1501112/1505101		—	University Elective course	3	—
0300103	support requirement (Statistics and Probability)	3	—		—	Compulsory university requirement	3	—
	Sum	18				Sum	16	

Third Year								
First Semester					Second Semester			
No.	Course Name	Cr.hrs	Prerequisite		No.	Course Name	Cr.hrs	Prerequisite
1505332	Data Science and Analytics	3	1501222		—	University Elective course	3	—
1501321	Design and Analysis of Algorithms	3	1501221		—	Compulsory university requirement	3	—
1503270	Introduction to Software Engineering	3	1501110		1505320	Advanced machine learning	3	0300103/1505311
1501340	Computer Networks	3	1501221		1505366	Digital Image Processing	3	1501221/0301241
1505415	Applied Deep Learning	3	1505311		1505441	Natural Language Processing	3	1505311
0301241	support requirement (Linear Algebra)	3	—		1501220	Discrete Mathematics	3	1501110
	Sum	18				Sum	18	

Fourth Year								
First Semester					Second Semester			
No.	Course Name	Cr.hrs	Prerequisite		No.	Course Name	Cr.hrs	Prerequisite
___	Department Elective Course	3	___		___	Compulsory university requirement	3	___
___	Compulsory university requirement	3	___		___	Department Elective Course	3	___
1501430	Operating Systems	3	1501221		___	Free Requirement	3	___
1505365	Information Retrieval	3	1501222		1505480	Big Data	3	1501222
1505461	Computer Vision	3	1505366		1505495	Project in AI	3	Dept. permission
1505381	Introduction to Robotics	3	1505201		Sum		15	
1505391	Internship in Artificial Intelligence	0	Dept. permission					
	Sum	18						