

الخطة الدراسية لبرنامج (ماجستير العلوم في الذكاء الاصطناعي)

**MSc. in Artificial Intelligence**

**Thesis Track : (مسار الرسائل)**

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours
Level 1	ARI60101	Fundamentals of AI	Required	-	3
	CS60103	Advanced Analysis & Design of Algorithms	Required	-	3
Level 2	ARI60203	Advanced Programming in AI	Required	CSIC60103	3
	CS60102	Advanced Statistics and Probability	Required	-	3
Level 3	ARI60201	Graph Theory	Required	-	3
	ARI60202	Autonomous Agent and Multi Agent Systems	Required	-	3
Level 4	-	Elective I from Group A	Elective	-	3
	-	Elective II from Group B	Elective	-	3
Level 5	CS60301	Research Methods in Computer Science	Required	-	3
Level 6	ARI6999	Thesis	Required	-	6
<b>Total hours</b>					<b>33</b>



تابع الخطة الدراسية لبرنامج (ماجستير العلوم في الذكاء الاصطناعي)

Project Track : (مسار المشروع البحثي)

Level	Course Code	Course Title	Required or Elective	Pre-Requisite Courses	Credit Hours
Level 1	ARI60101	Fundamentals of AI	Required	-	3
	CS60103	Advanced Analysis & Design of Algorithms	Required	-	3
Level 2	ARI60203	Advanced Programming in AI	Required	CSIC60103	3
	CS60102	Advanced Statistics and Probability	Required	-	3
Level 3	ARI60201	Graph Theory	Required	-	3
	ARI60202	Autonomous Agent and Multi Agent Systems	Required	-	3
Level 4	-	Elective I from Group A	Elective	-	3
	-	Elective II from Group B	Elective	-	3
Level 5	CS60301	Research Methods in Computer Science	Required	-	3
	-	Elective III from Group A	Elective	-	3
Level 6	-	Elective IV from Group C	Elective	-	3
	ARI6555	Research Project	Required	-	3
<b>Total hours</b>					<b>36</b>



## Elective Course: (المقررات الاختيارية)

No.	Course name	Course code	Prerequisite(s)	Credit hours
<b>Group A</b>				
1	Machine Learning	ARI60312	STAT60102	3
2	Pattern Recognition	ARI60305	-	3
3	Computational Intelligence	ARI60311	-	3
<b>Group B</b>				
4	Data Science	ARI60308	STAT60102	3
5	Advanced Image Processing	ARI60302	CSIC60103	3
6	Advanced Natural Language Processing	ARI60304	-	3
7	Advanced Robotics	ARI60303	-	3
<b>Group C</b>				
8	Augmented & Virtual Reality	ARI60309	-	3
9	Deep Learning	ARI60306	ARI60312	3
10	Intelligent Transportation Systems	ARI60310	-	3
11	Optimization Techniques	ARI60307	-	3

