

MUNI UNIVERSITY
Master of Science in Artificial Intelligence (MAI)
PROGRAM STRUCTURE

Year One | Semester One

Study Plan	Course Code	Course Name	LH	PH	TH	CH	CU
Plan A & Plan B	6 Core						
	MSA 1101	Mathematical Foundations for Artificial Intelligence	45	-	30	60	4
	MSA 1102	Advanced Algorithms and Complexity	45	30	-	60	4
	MSA 1103	Machine Learning	45	30	-	60	4
	MSA 1104	Intelligent Systems Applications	45	30	-	60	4
	MSA 1105	Information Technology Project Management	30	30	-	45	3
	MSA 1106	Product Design and Entrepreneurship	30	-	30	45	3
Semester Total (Plan A and Plan B)			240	120	60	330	22

Year One | Semester Two

Study Plan	Course Code	Course Name	LH	PH	TH	CH	CU
Plan A & Plan B	4 Core						
	MSA 1201	Research Methodology	30	30	-	45	3
	MSA 1202	Natural Language Processing	30	60	-	60	4
	MSA 1203	Deep Learning	30	60	-	60	4
	MSA 1204	Legal and Ethical issues in Artificial Intelligence	30	-	30	45	3
	2 Electives						
	MSA 1205	Knowledge Representation and Reasoning	30	60	-	60	4
	MSA 1206	Reinforcement Learning	30	60	-	60	4
	MSA 1207	Intelligent Embedded Systems	30	60	-	60	4
Semester Total (Plan A and Plan B)			180	270	30	330	22

Year Two | Semester One (PLAN A)

Course code	Course name	LH	PH	TH	CH	CH
3 Core						
MSD 2103	Skills Development (Audited)	-	-	90	45	3
MSA 2101	Research Seminar Series	30	-	30	45	3
MSA 2102	MSc Dissertation - Proposal	-	150	-	75	5
Semester total		30	150	120	165	11

Year Two | Semester Two (PLAN A)

Course code	Course name	LH	PH	TH	CH	CU
1 Core						
MSA 2201	MSc Dissertation - Implementation	-	150	-	75	5
Semester total		00	150	00	75	05

Year Two | Semester One (Plan B)

Course code	Course name	LH	PH	TH	CH	CH
4 Core						
MSD 2103	Skills Development (Audited)	-	-	90	45	3
MSA 2103	Data Engineering and Visualization	30	30	-	45	3
MSA 2104	Web Mining and Recommender Systems	30	30	-	45	3
MSA 2101	Research Seminar Series	30	-	30	45	3
1 Elective						
MSA 2105	Advanced Human Computer Interaction	30	30	-	45	3
MSA 2106	Linear Models	30	30	-	45	3
MSA 2107	Time Series Analysis and Forecasting	30	30	-	45	3
MSA 2108	Robotics	30	30	-	45	3
Semester total		120	90	120	225	15

Year Two | Semester Two (PLAN B)

Course code	Course name	LH	PH	TH	CH	CU
1 Core						
MSA 2202	MSc Project Report	-	150	-	75	5
Semester total		00	150	00	75	05