

# ARTIFICIAL INTELLIGENCE, MASTER OF SCIENCE (M.S.)

Course	Title	Credits
<b>Core</b>		
MSAI601	(Probability and Statistics)	3
MSAI602	(Principles of Data Science)	3
MSAI603	(Principles of Machine Learning)	3
MSAI605	(Computing Systems for AI)	3
MSAI606	(Human-Centered and Participatory Approaches to AI)	3
MSAI630	(Safe and Trustworthy AI)	3
MSAI631	(AI and Society)	3
<b>Electives</b>		<b>9</b>
MSAI632	(Generative AI)	
MSAI633	(AI Policy)	
MSAI634	(AI in Engineering)	
MSAI604	(Introduction to Optimization for AI)	
MSAI612	(Deep Learning for AI)	
MSAI640	(Computer Vision for AI)	
MSAI641	(Natural Language Processing for AI)	
MSAI642	(Robotics for AI)	
MSAI650	(Cloud Computing for AI)	
MSAI651	(Big Data Analytics for AI)	
MSAI635	(Reinforcement Learning)	
MSAI636	(Explainable and Interpretable AI)	
MSAI660	(Probabilistic Graphical Models and Bayesian Learning)	
MSAI661	(Causal Inference and AI Decision Making)	
MSAI662	(Adversarial Machine)	
MSAI663	(Graph Neural Networks and Structured Data Learning)	
MSAI664	(Meta-Learning and Few-Shot Learning)	
MSAI665	(AI for Healthcare and Biomedical Applications)	
MSAI666	(AI for Cybersecurity)	
MSAI667	(AI for Finance and Algorithmic Trading)	
MSAI670	(Applied Ethics of AI)	
<b>Total Credits</b>		<b>30</b>