NUS School of Computing
Master of Computing in Artificial Intelligence
(applies to August 2025 Intake onwards)

Important Note:
Courses in this list may be subject to change as decided by the Departments.

Preclusions:
*Please note that the following courses are **precluded** from each other:*

CS5477 3D Computer Vision	**CS4277** 3D Computer Vision
CS5478 Intelligent Robots: Algorithms and Systems	**CS4278** Intelligent Robots: Algorithms and Systems
CS5446 AI Planning and Decision Making	**CS4246** AI Planning and Decision Making
CS5246 Text Mining	**CS4248** Natural Language Processing
CS5562 Trustworthy Machine Learning	**CS6283** Topics in Computer Science: Trustworthy Machine Learning
IS5010 AI Ethics and Governance	**IS4246** Smart Systems and AI Governance

Sub-Area 1: Perception
- CS4243 Computer Vision and Pattern Recognition
- CS5246 Text Mining
- CS5477 3D Computer Vision
- CS6207 Advanced Natural Language Processing

Sub-Area 2: Reasoning and Planning
- CS4244 Knowledge Representation and Reasoning
- CS5446 AI Planning and Decision Making
- CS5478 Intelligent Robots: Algorithms and Systems
- CS6244 Advanced Topics in Robotics

Sub-Area 3: Learning and Optimization
- CS5228 Knowledge Discovery and Data Mining
- CS5242 Neural Networks and Deep Learning
- CS5260 Neural Networks and Deep Learning II
- CS5339 Theory and Algorithms for Machine Learning
- CS5340 Uncertainty Modelling in AI
- IS5152 Data-Driven Decision Making

Sub-Area 4: AI Governance
- CS5562 Trustworthy Machine Learning
- IS5010 AI Ethics and Governance

Last Updated: Nov 2024