

## Pre-requisite Module List for BSc in AI

Module Code and Title		Pre-requisite(s)	
<b>Year 1</b>			
COMP1124	Advanced Programming	COMP1122	Introduction to Programming
MENG1112	English II	MENG1111	English I
<b>Year 2</b>			
COMP2112	Data Structures and Algorithms	MATH1113	Discrete Mathematics
MENG2111	English III	MENG1112	English II
MENG2112	English IV	MENG2111	English III
<b>Year 3</b>			
CSAI3121	Machine Learning and Intelligent Data Analysis	MATH111 CSAI2121	Linear Algebra Probability and Statistics
CSAI3122	Natural Language Processing	CSAI2121	Probability and Statistics
CSAI3123	Neural Networks and Deep Learning	MATH1111 MATH1112	Linear Algebra Calculus
CSAI3124	Artificial Intelligence Application Project	COMP1122 CSAI2122	Introduction to Programming Introduction to Artificial Intelligence
COMP3111	Advanced Web Development	COMP1122 COMP2115	Introduction to Programming Web Design and Development
MENG3111	Science Communications	MENG2112	English IV
<b>Year 4</b>			
COMP4111	Computer Security	MATH1113	Discrete Mathematics
CSAI4299	Final Year Project	COMP2116 CSAI3124	Software Engineering Artificial Intelligence Application Project
<b>Electives</b>			
CSAI0112	Computer Vision and Imaging	COMP4116	Digital Image and Multimedia Processing
CSAI0113	Advanced Topics in Machine Translation	CSAI3122	Natural Language Processing
CSAI0114	Speech Recognition Technology and Application	CSAI3122	Natural Language Processing
CSAI0115	Data Mining Technology and Application	CSAI2123	Introduction to Data Science
COMP4127	Internship	COMP2114	Ethics and Professional Issues in Computing
COMP4119	Mobile Computing & Wireless Networks	CSAI3125	Computer Networks
CSAI0121	Theory of Computation	MATH1113 COMP2112	Discrete Mathematics Data Structures and Algorithms

For modules with pre-requisites, students must pass the pre-requisites first before taking them.