

Bachelor of Science (B.Sc.) in Artificial Intelligence

3-Year Programme (Sample University-style Syllabus)

Semester	Code	Subject
I	BSAI101	Fundamentals of Artificial Intelligence
I	BSAI102	Programming in Python
I	BSAI103	Mathematics for Computing
I	BSAI104	Computer Fundamentals & Digital Electronics
I	BSAI105	Communication Skills
I	BSAI106P	Python Programming Lab
II	BSAI201	Data Structures Using Python
II	BSAI202	Database Management System
II	BSAI203	Statistics for AI
II	BSAI204	Operating Systems
II	BSAI205	Environmental Studies
II	BSAI206P	Data Structures Lab
III	BSAI301	Object Oriented Programming
III	BSAI302	Machine Learning
III	BSAI303	Computer Networks
III	BSAI304	Software Engineering
III	BSAI305	Web Technologies
III	BSAI306P	Machine Learning Lab
IV	BSAI401	Deep Learning
IV	BSAI402	Data Mining & Data Warehousing
IV	BSAI403	Computer Vision
IV	BSAI404	Cloud Computing
IV	BSAI405	AI Ethics & Cyber Security
IV	BSAI406P	Deep Learning Lab
V	BSAI501	Natural Language Processing
V	BSAI502	Big Data Analytics
V	BSAI503	Internet of Things
V	BSAI504	Reinforcement Learning
V	BSAI505	Elective-I
V	BSAI506P	AI Project Lab
VI	BSAI601	Generative AI
VI	BSAI602	Explainable AI

VI	BSAI603	AI Applications & Case Studies
VI	BSAI604	Internship / Industrial Training
VI	BSAI605	Major Project & Viva Voce

Note: Subject codes are sample university-style codes and may vary by institution.