

## STUDY PLAN REPORT

**Program Name:** Bachelor of Science in Artificial Intelligence

**Program Major:** Bachelor of Science in Artificial Intelligence

Course Number	Course Name	Credit Hour	Prerequisite
<b>Semester1</b>			
CIS 101	Computer Fundamentals	3	
ENG 101	English I	3	
HUM 101	Critical Thinking	3	
ST 101	Calculus I	3	
SSS 101	Study Skills	3	
<b>Semester2</b>			
AI 101	Introduction to Artificial Intelligence	3	CIS 101
ST 102	Linear Algebra	3	ST 101
ST 103	Fundamentals of Computer Programming	3	CIS 101
ENG 102	English II	3	ENG 101
BUS 204	Innovation and Entrepreneurship	3	
<b>Semester3</b>			
ST 200	Introduction to Statistics	3	ST 102
ST 203	Database Management Systems	3	ST 103
ST 204	Data Structures and Algorithms	3	ST 103
ACS 101	Communication Skills in Arabic	3	
AI 201	Fundamentals of Natural Language Processing	3	AI 101
AI 202	Fundamental of Machine Learning	3	AI 101
ACSE 101	Communication Skill in Arabic - for non Arab	3	
<b>Semester4</b>			
ST 208	Probability Theory	3	ST 200
ST 205	Networking and Information Security	3	CIS 101

Course Number	Course Name	Credit Hour	Prerequisite
AI 206	Computer Vision Systems	3	AI 201, AI 202
ST 207	Multimedia Technology	3	ST 103
ISLA 201	Islamic Culture (Arabic)	3	
ISL 201	Islamic Culture (English)	3	
UAE/A 201	UAE Studies (Arabic)	3	
UAE 201	UAE Studies (English)	3	
<b>Semester5</b>			
ST 301	Discrete Structures and their Applications	3	ST 102
AI 302	Advanced Techniques in Machine Learning	3	AI 202
AI 303	Application of AI to Energy Transition	3	AI 201, AI 202
AI 304	Neural Networks and Deep Learning	3	AI 202
ST 305	Advanced Computer Programming	3	ST 103
<b>Semester6</b>			
ST 306	Parallel and Distributed Programming	3	ST 204
AI 307	Data Mining	3	ST 203, ST 204
ST 308	Knowledge Management Systems	3	ST 203
AI 309	Fuzzy Logic	3	ST 301
AI 310	Research in AI	3	AI 302, AI 303
<b>Semester7</b>			
AI 401	Robotics	3	AI 310
AI 402	Human Computer Interaction	3	AI 206
AI 403	Data Science and Analytics	3	AI 307
AI 404	Advanced Topics in AI	3	AI 310
AI 405	Pattern Recognition Systems	3	AI 302, AI 303
<b>Semester8</b>			
AI 406	Autonomous Robotics	3	AI 401
ST 407	Cybersecurity (Elective)	3	ST 205

Course Number	Course Name	Credit Hour	Prerequisite
ST 408	Digital Forensics (Elective)	3	ST 205
ST 409	Cloud Computing Concepts (Elective)	3	ST 205
AI 410	AI and Internet of Things (Elective)	3	ST 205,ST 207
ST 411	Blockchain and Applications (Elective)	3	AI 303
AI 495	AI Internship	3	
AI 499	AI Capstone	3	