

Program Structure:

BSc in Artificial Intelligence:

نوع المقرر Course type			الثقل الأكاديمي بالساعات المعتمدة/ النقاط/ الوحدات	الساعات التدريسية	عنوان المقرر	الفصل الدراسي	السنة الدراسية
المتطلب السابق	متطلب جامعة/كلية/قسم	اختياري / إجباري					
Prerequisite	University/ college/ department requirement	Compulsory/optional	Course load in (Credits/ points/ units)	Teaching hours	Course title	Semester	Year
Nil	University Requirement	Compulsory	3	3hrs Theory	University English I	1	1
Nil	College Requirement	Compulsory	4	3Hrs Th, 2 Hrs Tut.	Introduction to Computer Systems	1	1
Nil	University Requirement	Compulsory	3	2Hrs Th, 2 Hrs Lab	Computer Programming	1	1
Nil	University Requirement	Compulsory	4	3Hrs Th, 1Hr Tut, 1 Hr Lab	Computational Mathematics	1	1
University English I	University Requirement	Compulsory	3	3hrs Theory	University English II	2	1
Nil	Department Requirement	Compulsory	4	3Hrs Th, 2 Hrs Lab	Introduction to Artificial Intelligence	2	1
Nil	University Requirement	Compulsory	3	2Hrs Th, 1Hr Tut, 1 Hr Lab	Linear Algebra	2	1
Nil	College Requirement	Compulsory	4	3 Hrs Th, 2 Hrs Lab	Introduction to Operating Systems & Computer Networks	2	1
Nil	College Requirement	Compulsory	3	2Hrs Th, 2 Hrs Lab	Database Management Systems	2	1
Computer Programming	College Requirement	Compulsory	4	3 Hrs Th, 2 Hrs Lab	Object-Oriented Programming	3	2
Introduction to Artificial Intelligence	Department Requirement	Compulsory	3	2Hrs Th, 2 Hrs Lab	Cognitive Psychology and logic	3	2

Nil	Department Requirement	Compulsory	3	1 Hr Th, 4Hrs Lab	Introduction to Internet Of Things	3	2
Nil	University Requirement	Compulsory	3	3 Hrs Th,	Oman History and Islamic Culture	3	2
Nil	University Requirement	Compulsory	4	3 Hrs Th, 2 Hrs Tut	Entrepreneurship and Innovation	4	2
Computer Programming	College Requirement	Compulsory	4	3 Hrs Th, 2 Hrs Lab	Data structures and Algorithms	4	2
Computational Mathematics	University Requirement	Compulsory	3	2Hrs Th, 1 Hrs Lab, 1 Hr Tut	Probability and Statistics	4	2
Computer Programming	Department Requirement	Compulsory	2	1 Hrs Th, 2 Hrs Lab	Introductory Machine Learning	4	2
Nil	College Requirement	Compulsory	3	1 Hrs Th/Seminar 4 Hrs Lab	Project 1	4	2
Nil	University Requirement	Compulsory	3	2Hrs Th, 2 Hrs Tut	Professional issues & Ethics	5	3
Nil	Department Requirement	Compulsory	4		Natural Language & Speech Processing	5	3
Nil	University Requirement	Compulsory	3	2Hrs Th, 2 Hr Tut	Discrete Mathematics	5	3
Database Management Systems	College Requirement	Compulsory	4	2Hrs Th, 4 Hrs Lab	Website Design & Development	5	3
Nil	Department Requirement	Compulsory	4	3Hrs Th, 2 Hrs Lab	Introduction to Robotics	6	3
Introduction to Artificial Intelligence	Department Requirement	Compulsory	4	3 Hrs Th, 2 Hrs Lab	Advanced logic	6	3
Nil	College Requirement	Compulsory	3	3 Hrs Th,	IT project management	3	2
Nil	Department Requirement	Compulsory	4	3 Hrs Th, 2 Hrs Lab	Data Mining & Big data	6	3

Pass in 60 credits	University Requirement	Compulsory	2	2Hrs Th,	Industrial Internship	6	3
Introductory Machine Learning	Department Requirement	Compulsory	4	3Hrs Th, 2 Hrs Lab	Deep learning	7	4
Nil	Department Requirement	Compulsory	4	3 Hrs Th, 2 Hrs Lab	Agent based systems	7	4
Object-Oriented Programming	Department Requirement	Compulsory	3	1Hr Theory/seminar	Capstone Project I	7	4
Nil	Department Requirement	Compulsory	3	2Hrs Th, 2 Hrs Lab	Digital Signal Processing	8	4
Nil	College Requirement	Compulsory	4	3 Hrs Th, 2 Hrs Lab	IoT and Cloud Computing	8	4
Capstone Project I	College Requirement	Compulsory	3	1Hr Theory/seminar	Capstone Project II	8	4
Nil	College Requirement	Elective	4	3 Hrs Th, 2 Hrs Lab	Edge and Fog Computing	7	4
Nil	College Requirement	Elective	4	3 Hrs Th, 2 Hrs Lab	IoT Security	7	4
Nil	College Requirement	Elective	4	2Hrs Th, 4 Hrs Lab	Mobile Application Development	7	4
Nil	College Requirement	Elective	4		Computer Vision	8	4
Nil	College Requirement	Elective	4	3 Hrs Th, 2 Hrs Lab	AI for Sustainability	8	4