

University of Baghdad جامعة بغداد



First Cycle – Bachelor's Degree (B.Sc.) – in Business Administration and e-Commerce (BAEC)



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1. Overview

This catalogue is about the courses (modules) given by the program of Data Science to gain a Bachelor of Business Administration and e-Commerce. The program delivers (43) Modules with (6000) total student workload hours and 240 total ECTS. The module delivery is based on the Bologna Process.

نظرة عامة

يتناول هذا الدليل المواد الدراسية التي يقدمها برنامج علم البيانات للحصول على درجة بكالوريوس إدارة أعمال والتجارة الإلكترونية. يقدم البرنامج (43) مادة دراسية مع (6000) إجمالي ساعات حمل الطالب و240 إجمالي وحدات أوروبية. يعتمد تقديم المواد الدراسية على عملية بولونيا.

2. Undergraduate Courses 2025-2026

Module 1

Code	Course/Module Title	ECTS	Semester
GEN 101	Introduction to Programming	7	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	4	94	81
Description			
Students will learn the basics of programming, including logic, algorithms, and software development.			

Module 2

Code	Course/Module Title	ECTS	Semester
GEN 102	Mathematics	7	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
4	0	63	112
Description			
Covers foundational mathematical principles essential for business analysis and decision-making.			

Module 3

Code	Course/Module Title	ECTS	Semester
GEN 103	critical thinking	6	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	1	49	101
Description			
Focuses on developing reasoning and analytical skills to solve complex problems.			

Module 4

Code	Course/Module Title	ECTS	Semester
BAEC 104	Principles of Business Management I	6	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
4	*	63	87
Description			
Introduces students to fundamental business management principles.			

Module 5

Code	Course/Module Title	ECTS	Semester
UOB102	English Language I	2	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	17
Description			
Basic language skills for communication in English.			

Module 6

Code	Course/Module Title	ECTS	Semester
GEN114	Introduction to Sociology	2	1
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	17
Description			

Module 7

Code	Course/Module Title	ECTS	Semester
GEN 113	Statistics	6	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
3	2	79	71
Description			
Provides tools for statistical analysis and interpretation.			

Module 8

Code	Course/Module Title	ECTS	Semester
GEN 112	Writing skills	4	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	67
Description			
Focuses on academic writing and communication.			

Module 9

Code	Course/Module Title	ECTS	Semester
GEN 111	Introduction to project management	6	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	*	33	117
Description			
Covers key project management methodologies.			

Module 10

Code	Course/Module Title	ECTS	Semester
BAEC 114	Principles of Business Management 2	7	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
4	*	63	112
Description			
Deepens knowledge in business management concepts.			

Module 11

Code	Course/Module Title	ECTS	Semester
UOB101	Arabic Language II	2	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	17
Description			
Intermediate language skills for more complex communication.			

Module 12

Code	Course/Module Title	ECTS	Semester
UOB103	Computer I	3	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
1	2	49	26
Description			
Introduction to computer science and software applications.			

Module 13

Code	Course/Module Title	ECTS	Semester
UOB104	Democracy and Human Rights	2	2
Class (hr/w)	Lect/Lab./Prac./Tutor	SSWL (hr/sem)	USWL (hr/w)
2	0	33	17
Description			
A discussion of human rights and democratic principles.			