



UNIVERSITY OF BAHRAIN EARLY ACCESS PROGRAM

Courses Catalog

Academic Year
2026 / 2027

Program Overview

Students can take any number of courses from the list during their program.

College of Business Administration 2 Courses	College of Information Technology 3 Courses	College of Science 12 Courses	College of Arts 11 Courses	College of Law 1 Course
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Notation Guide

LEC = Lecture **PRAC** = Practical / Laboratory / Practicum **CRD** = Credits / Credit Hours

COLLEGE OF BUSINESS ADMINISTRATION

ACC 112 — Financial Accounting I

Code	Title	LEC	PRAC	CRD	Department
ACC 112	Financial Accounting I	3	0	3	Accounting

ACC 112 — Financial Accounting I

A survey of the accounting cycle; recording changes in financial position; ledger; journal; trial balance; income measurement; adjusting and closing entries; accounting for merchandising operations; special journals and subsidiary ledgers; accounting for cash; receivables; inventories; plant and equipment.

ECON 140 — Microeconomics

Code	Title	LEC	PRAC	CRD	Department
ECON 140	Microeconomics	3	0	3	Economics and Finance

ECON 140 — Microeconomics

Introduction to economic concepts, the economic way of thinking, decision-making, the study of scarcity, opportunity cost, how prices are determined and why they change, factors determining cost and the nature of costs, and how firms, under different market conditions, make price and output decisions in short run and long run.



COLLEGE OF SCIENCE

MATHS 101 — Calculus

Code	Title	LEC	PRAC	CRD	Department
MATHS 101	Calculus	3	0	3	Mathematics

MATHS 101 — Calculus

Functions and graphs. Trigonometry. Conic sections. Limits and continuity. Derivatives and integrals. Applications of derivatives which include mean value theorem, extrema of functions and optimization. Definite integrals and the Fundamental Theorem of Calculus.

MATHS 102 — Calculus II

Pre-requisite MATHS 101

Code	Title	LEC	PRAC	CRD	Department
MATHS 102	Calculus II	3	0	3	Mathematics

MATHS 102 — Calculus II

Applications of definite integrals, including areas, volumes and surface areas of solids of revolution, arc length and centroids. Transcendental functions, indeterminate form and L'Hopital's Rule. Techniques of integration and improper integrals. Infinite series, power series. Maclaurin and Taylor Theorem.

MATHS 131 — Calculus I

Code	Title	LEC	PRAC	CRD	Department
MATHS 131	Calculus I	4	0	4	Mathematics

MATHS 131 — Calculus I

Limits, Derivatives of Algebraic and Transcendental Functions, Related Rates, the Mean Value Theorem, Graphing Techniques, Optimization, Integrals, and the Fundamental Theorem of Calculus.



MATHS 132 — Calculus II

Pre-requisite: MATHS 131

Code	Title	LEC	PRAC	CRD	Department
MATHS 132	Calculus II	4	0	4	Mathematics

MATHS 132 — Calculus II

Applications of Definite Integrals, L'Hopital's Rule, Integration Techniques, Infinite Series, Taylor and Maclaurin Series, Parametric Equations and Polar Coordinates.

MATHS 121 — Calculus and Analytic Geometry I

Code	Title	LEC	PRAC	CRD	Department
MATHS 121	Calculus and Analytic Geometry I	3	0	3	Mathematics

MATHS 121 — Calculus and Analytic Geometry I

Algebra. Functions and graphs. Trigonometry. Conic sections. Limits and continuity. Derivatives and integrals. Applications of derivatives which include mean value theorem, extrema of functions and optimization. Definite integrals and the Fundamental Theorem of Calculus. Derivatives and integrals of exponential, logarithmic and inverse Trigonometric functions.

PHYCS 101 — General Physics I

Code	Title	LEC	PRAC	CRD	Department
PHYCS 101	General Physics I	3	2	4	Physics

PHYCS 101 — General Physics I

Units and measurements; brief review of vectors; Newton's laws of motion; projectile motion; work and energy; impulse and momentum; rotational dynamics; equilibrium of a rigid body; periodic motion.

PHYCS 102 — General Physics II

Pre-requisite: PHYCS 101

Code	Title	LEC	PRAC	CRD	Department
PHYCS 102	General Physics II	3	2	4	Physics

PHYCS 102 — General Physics II

Electric charges and fields; Coulomb's and Gauss's laws; electric potential; capacitors and dielectrics; direct current circuits; Kirchoff's rules; magnetic field and flux; ampere's law; induced emf; Lenz's law; mutual and self-inductance; AC circuits; RLC circuit.



STAT 271 — Introduction to Probability

Code	Title	LEC	PRAC	CRD	Department
STAT 271	Introduction to Probability	3	0	3	Mathematics

STAT 271 — Introduction to Probability

Descriptive Statistics. Sample Spaces. Probability Functions. Conditional Probability. Independence. Combinatorics. Random Variables and their Distributions. Distribution Functions. Geometric. Binomial. Poisson and other Discrete Distributions. Uniform. Normal and other Continuous Distributions. Some Limit Theorems.

BIOLS 102 — General Biology I

Code	Title	LEC	PRAC	CRD	Department
BIOLS 102	General Biology I	3	2	4	Biology

BIOLS 102 — General Biology I

Properties of life; atoms, molecules and chemical bonds; biomolecules; cell structure and function; bioenergetics (intermediary metabolism); cell reproduction; Mendelian genetics; structure of DNA; RNA and protein synthesis; molecular genetics.

BIOLS 103 — General Biology II Pre-requisite: BIOLS 102

Code	Title	LEC	PRAC	CRD	Department
BIOLS 103	General Biology II	3	2	4	Biology

BIOLS 103 — General Biology II

Classification of organisms; plant structure and function; animal structure and function; evolutionary theory; ecology and modern biological problems.



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CHEMY 101 — General Chemistry I

Code	Title	LEC	PRAC	CRD	Department
CHEMY 101	General Chemistry I	3	2	4	Chemistry

CHEMY 101 — General Chemistry I

Significant figures, chemical formulas and equations; mass relations, limiting reactants and theoretical yield; Physical behavior of gases; electronic structure, periodic table, covalent bonding; Lewis structures, Molecular structures, hybridization; molecular orbitals, solutions; colligative properties. Related practical work.

CHEMY 102 — General Chemistry II

Pre-requisite: CHEMY 101

Code	Title	LEC	PRAC	CRD	Department
CHEMY 102	General Chemistry II	3	2	4	Chemistry

CHEMY 102 — General Chemistry II

Gaseous equilibrium (equilibrium constant, K_c and K_p); acids and bases (water dissociation, pH, weak acids and bases, salts); acid-base and precipitation equilibria (buffers, indicators, titrations, pH curves); thermochemistry (calorimetry, enthalpy, thermochemical equations, heats of formation, first law of thermodynamics); rate of reaction, rate and concentration, concentration and time, activation energy, rate and temperature, catalysis, mechanisms; electrochemistry; voltaic cells; cell voltages. Organic Chemistry (alkanes, alkenes, alkynes, isomerism, nomenclature, arenes, functional groups, reaction). Related practical work.



COLLEGE OF INFORMATION TECHNOLOGY

ITCE 101 — Computer Technologies

Code	Title	LEC	PRAC	CRD	Department
ITCE 101	Computer Technologies	3	0	3	Computer Engineering

ITCE 101 — Computer Technologies

This course introduces the basics of computer information systems and IT terminology. Topics include hardware components, system software, and application software. Software and hardware installation, upgrade, and troubleshooting. Representation of textual and numerical data. Problem solving principles. Programming languages fundamentals, language translation and interpretation. Communication, Networking, and Internet basics, Network services, Network layers and protocols.

ITCS 106 — Computer Programming I

Code	Title	LEC	PRAC	CRD	Department
ITCS 106	Computer Programming I	3	2	4	Computer Science

ITCS 106 — Computer Programming I

This course introduces problem solving and fundamental programming concepts and techniques implemented by a high-level programming language. Topics include primitive and compound data types, syntax, semantics, expressions, assignment, input, output, conditional and iterative control structures, functions.

ITCS 107 — Computer Programming II

Pre-requisite: ITCS 106

Code	Title	LEC	PRAC	CRD	Department
ITCS 107	Computer Programming II	3	2	4	Computer Science

ITCS 107 — Computer Programming II

This course covers key concepts of object-oriented programming. Topics include object oriented design, encapsulation, event handlers, memory management, arrays, exception handlers, searching algorithms, programming applications.



COLLEGE OF ARTS

ARAB 119 — Arabic Lexicography

Code	Title	LEC	PRAC	CRD	Department
ARAB 119	Arabic Lexicography	3	0	3	Arabic

ARAB 119 — Arabic Lexicography

The course focuses on the origin of Arabic lexicography, its schools, methods of research, types of lexicographical works and their prominent compilers, as well as the development of lexicographical signification in accordance with modern lexicographical theory.

ISLM 141 — Introduction to Sharia

Code	Title	LEC	PRAC	CRD	Department
ISLM 141	Introduction to Sharia	3	0	3	Islamic Studies

ISLM 141 — Introduction to Sharia

An introductory study on the definition of Islamic law and its sources in general, the definition of Islamic jurisprudence, the stages of Islamic legislation from the era of the Prophet (PBUH), through the era of the companions (sahabah) and followers (tabi'in), the era of Muslim jurists (emergence of schools of jurisprudence and various schools of fiqh thought), and the era of taqlid (imitation), to legislation in the present era, and learning the most important jurisprudential rules and theories.

MEDCO 130 — Digital Media Fundamentals

Code	Title	LEC	PRAC	CRD	Department
MEDCO 130	Digital Media Fundamentals	2	2	3	Media and Communication

MEDCO 130 — Digital Media Fundamentals

This course provides an overview of digital media concepts, terminology, and digital revolution. Students will develop fundamental multimedia skills in the use of up-to-date applications, image and sound editing tools, and video production skills, to create innovative media content.



HISTO 151 — Introduction to the Philosophy of History

Code	Title	LEC	PRAC	CRD	Department
HISTO 151	Introduction to the Philosophy of History	3	0	3	History

HISTO 151 — Introduction to the Philosophy of History

يهدف المقرر إلى التعريف بالتاريخ ونشأته، بالإضافة إلى التعريف بالفلسفة، وأهمية فلسفة التاريخ. ويُسلط المقرر الضوء على تطور علم التاريخ وتفسير التاريخ والمدارس التي ظهرت على مر العصور. وينطلق لعرض الكتابة التاريخية والتدوين التاريخي، ويغطي أبرز مصادر الدراسات التاريخية وأنواعها وبيان أهميتها وكيفية التعامل معها.

FA 120 — Fundamentals of Design

Code	Title	LEC	PRAC	CRD	Department
FA 120	Fundamentals of Design	2	2	3	Fine Arts

FA 120 — Fundamentals of Design

This course offers an introductory level of study to the fundamentals of design through hands-on project work. Students will learn the fundamental vocabularies, principles and concepts of design, colour and visual communication. They will design compositions incorporating the six elements of design (Dot, Line, Shape/form, Colour, Texture, and Typeface), and employ principles of design (Rhythm, Contrast, Metaphor, Balance, etc.). Students will also experiment with colouring techniques, colour theory, and colour associations, and learn about three-dimensional forms, origami, and a variety of design materials.

ENGL 124 — Basic Writing Skills

Code	Title	LEC	PRAC	CRD	Department
ENGL 124	Basic Writing Skills	3	0	3	English Language and Literature

ENGL 124 — Basic Writing Skills

This course aims at improving students' writing skills and strategies. It helps students write good paragraphs including good topic sentences, supporting details, and concluding sentences. In addition, it transfers students from writing at the paragraph level to the essay level, introducing them to the basic structure of an essay. This course applies a step-by-step approach focusing on essential processes and organizational strategies, exposing students to a wide range of writing models employing various rhetorical styles.



CHL — Introduction to Chinese Language

Code	Title	LEC	PRAC	CRD	Department
CHL	Introduction to Chinese Language	3	0	3	Confucius Institute

CHL — Introduction to Chinese Language

This course introduces students to standard Mandarin Chinese and is designed for beginners. It covers basic Chinese phonetics, essential vocabulary, simple grammatical structures, and the recognition of basic Chinese characters. By the end of the semester, students are expected to acquire approximately 80 vocabulary words, understand the basic grammar of HSK Level 1, engage in simple dialogues on various topics, and write short sentences in Chinese. The course also provides an overview of Chinese culture, traditions, and customs.

TL 101 — Turkish Language

Code	Title	LEC	PRAC	CRD	Department
TL 101	Turkish Language	3	0	3	Yunus Emre Institute

TL 101 — Turkish Language

This course is designed for students with no prior knowledge of the Turkish language and aims to gradually introduce and develop all four main skills: reading, writing, speaking and listening through situations and contexts of daily life. Students will also gain basic information about Turkey, Turkish social life, and Turkish culture.

GERM 101 — Introduction to German I

Code	Title	LEC	PRAC	CRD	Department
GERM 101	Introduction to German I	3	0	3	English Language and Literature

GERM 101 — Introduction to German I

This course gives basic information on German language to students with no previous knowledge of the language. Concentrating on the four skills (speaking, listening, writing, reading), students shall be enabled to manage simple situations of everyday conversation using common expressions — including greetings, talking about themselves and others, shopping, ordering in restaurants, and small talk about food. Additional lectures on German culture, civilization and study opportunities in Germany are offered.



SPAN 101 — Introduction to Spanish I

Code	Title	LEC	PRAC	CRD	Department
SPAN 101	Introduction to Spanish I	3	0	3	English Language and Literature

SPAN 101 — Introduction to Spanish I

This introductory course is designed to develop basic communication skills in both oral and written Spanish at A1 level of the CEFRL. Through textbook-based activities, written assignments, reading and speaking exercises, students will practice grammatical forms and new vocabulary in guided everyday settings. Course materials are selected to familiarize students with the diversity in Spanish-speaking cultures.

FREN 141 — French 1

Code	Title	LEC	PRAC	CRD	Department
FREN 141	French 1	3	0	3	English Language and Literature

Mandatory for:

- French Language Elective Courses – Minor in French

FREN 141 — French 1

Emphasis is placed on the development of students' communicative competence in everyday life situations; it gives students the basic elements of pronunciation, construction of simple phrases and the writing of short essays.



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COLLEGE OF LAW

HRLC 107 — Human Rights Principles

Code	Title	LEC	PRAC	CRD	Department
HRLC107	Human Rights Principles	2	0	2	Legal clinic

HRLC 107 Human Rights Principles

This course provides a general overview on the “Human Rights” concept as well as the international and national sources of human rights law. It also covers the main types of human rights (civil, political, economic, social and cultural rights), and their implementations in the Kingdom of Bahrain. Finally, the international and national mechanisms of monitoring human rights will be addressed with more focus on the experiences of the Kingdom of Bahrain