

Ministry of Higher Education and Scientific Research
Supervision and Scientific Evaluation Department
Quality Assurance and Academic Accreditation Directorate
Department of Accreditation

Academic Program and Course Description Guide

2025–2026

Introduction

An educational program serves as a coordinated, structured package of study courses incorporating experiences and procedures designed into syllabus topics. Its primary objective is to build and refine graduates' skills, equipping them to meet labor market demands. It undergoes annual review and evaluation via internal and external audit mechanisms, including external examiner programs.

The academic program description offers a concise summary of the key features of the program and its courses, highlighting the skills imparted to students based on the program's intended objectives. Its significance lies in being the cornerstone for securing program accreditation, jointly written by teaching staff under the oversight of departmental scientific committees.

This second edition of the guide features an updated academic program description reflecting recent developments within Iraq's higher education system. It contains both the traditional program description structures (annual and semester systems) as well as the standardized academic program description issued under the Department of Studies' circular No. TM3/2906 (dated May 3, 2023) for programs implementing the Bologna Process.

In this regard, we emphasize the vital importance of drafting precise academic program and course descriptions to ensure the effective execution of the educational process.

Concepts and Terminology

- **Academic Program Description:** A succinct summary outlining the program's vision, mission, and objectives, providing an accurate account of intended learning outcomes based on specified learning strategies.
- **Course Description:** A brief overview detailing the key characteristics of a course and its expected learning outcomes, demonstrating whether students have maximized the available learning opportunities. It is derived directly from the overall program description.
- **Program Vision:** An ambitious, forward-looking aspiration for the academic program—designed to be progressive, inspiring, motivating, realistic, and achievable.
- **Program Mission:** A concise statement outlining the core objectives and actions required to accomplish them, defining the program's growth directions and development pathways.
- **Program Objectives:** Observable, measurable statements describing what the academic program aims to accomplish within a specified timeframe.
- **Curriculum Structure:** The complete collection of study courses/subjects comprising the academic program according to the adopted learning system (semester, annual, Bologna Process), encompassing institutional, university, college, and departmental requirements alongside credit unit values.
- **Learning Outcomes:** A cohesive set of knowledge, practical skills, and values acquired by the student upon successful completion of the academic program. Specific learning outcomes must be established for each course to align with overarching program goals.

- **Teaching and Learning Strategies:** The instructional plans and methods employed by faculty members to enhance student learning. These encompass all structured classroom and extracurricular activities aimed at achieving learning objectives.

Academic Program Description Form

- **University Name:** University of Basrah
- **College / Institute:** College of Arts
- **Scientific Department:** Department of Information and Knowledge Technologies
- **Academic or Professional Program Name:** Bachelor of Information and Knowledge Technologies
- **Degree Awarded:** Bachelor of Information and Knowledge Technologies
- **Academic System:** *(Unspecified)*
- **Date Description Prepared:** *(Unspecified)*
- **Date File Completed:** *(Unspecified)*

Role	Name	Signature	Date
Head of Department	Amal Abdul-Rahman	<i>(Unsigned)</i>	<i>(Unspecified)</i>
Scientific Associate	<i>(Unspecified)</i>	<i>(Unsigned)</i>	<i>(Unspecified)</i>

Audited by the Quality Assurance and University Performance Unit:

- **Head of Quality Assurance Unit:** *(Unspecified)*
- **Date:** *(Unspecified)*
- **Signature:** *(Unsigned)*

Approved by the Dean

1. Program Vision

To achieve academic and research leadership and excellence in information science and knowledge technologies locally and regionally by leveraging digital technologies, artificial intelligence applications, and innovative practices in developing information environments. This vision aims to build a sustainable knowledge society capable of keeping pace with rapid scientific and technological transformations.

2. Program Mission

The Department of Information and Knowledge Technologies at the University of Basrah is dedicated to delivering distinguished undergraduate and postgraduate academic and research programs in compliance with quality assurance and academic accreditation standards. The program prepares specialized, creative graduates equipped with digital and analytical skills, alongside the ability to apply modern technologies—specifically specialized software and AI applications—in managing information institutions. Furthermore, the department instills professional ethics, promotes scientific responsibility, preserves national heritage and human knowledge, and provides advisory and community services supporting scientific research and sustainable development.

3. Program Objectives

1. **Academic Excellence & Curriculum Advancement:** Continuously update undergraduate and postgraduate curricula to integrate theoretical and practical dimensions, aligning with scientific advancements and labor market demands.
2. **Developing Professional Capabilities & Critical Thinking:** Enhance students' critical/creative thinking and problem-solving capabilities, empowering them to apply knowledge in real-world environments across government, private, and information sectors.
3. **Elevating Scientific Research & Postgraduate Programs:** Expand postgraduate offerings (including launching a Ph.D. program) to train expert researchers in information systems, information institution computing, knowledge management, and data analytics/mining.
4. **Leveraging Modern Technologies & AI:** Deploy digital tools and artificial intelligence applications to automate library and information services, optimize data management, and accelerate seamless access to knowledge.
5. **Enhancing Digital Literacy & Data Analytics:** Equip students with advanced skills in information systems, databases, data analysis, and knowledge management to drive decision-making and innovation.
6. **Providing Hands-On Practical Experience:** Reinforce practical learning through field training, research projects, graduation dissertations, and applied coursework linking academic theory to real-world workplaces.
7. **Supporting Sustainable Development & Knowledge Access:** Contribute to sustainable development goals by ensuring equitable, comprehensive access to information, promoting digital resource usage, and deploying assistive technologies for individuals with disabilities.

8. **Community Outreach & Advisory Responsibility:** Deliver scientific consultations, training initiatives, and technical solutions to state and private institutions in information organization, archiving, and cultural heritage preservation.
9. **Instilling Ethical & Professional Standards:** Uphold research ethics, integrity, data privacy, intellectual property rights, and fair access to information.
10. **Preserving National Heritage & Institutional Memory:** Archive and digitize national heritage and institutional memory using advanced digital technologies for current and future generations.
11. **Faculty & Staff Professional Growth:** Support continuous professional development for academic and technical personnel to sustain educational quality and institutional efficiency.
12. **Fostering Strategic Partnerships:** Build collaborative ties with academic, information, government, and private sector organizations to share expertise and spur innovation.

4. Program Accreditation: None

5. Other External Influences: None

6. Program Structure

Program Structure	Number of Courses	Credit Units	Percentage	Notes *
Institutional Requirements	8	16	9.6%	Core mandatory subjects (University/Ministry): Arabic, English, Computer Science, Human Rights & Democracy, Crimes of the Former Ba'ath Regime
College Requirements	-	-	-	-
Department Requirements	30	150	90.4%	Core foundational and advanced specialized courses
Summer Training	Mandatory	-	-	Total students: 28, assigned to the College of Arts Main Library and the Departmental Library
Other	-	-	-	-

7. Program Description (2026)

First Level / Year One (2026)

Course Code	Course Title	Theory Hrs	Practical Hrs	Credit Units
IKDC01	Descriptive Technical Processing 1	2	2	6
IKSA01	Subject Data Processing	2	2	6
IKIL01	Introduction to Information & Libraries	2	-	4
IKTS01	Traditional Information Sources	2	-	4
IKII01	Information Institutions & Management	2	-	4
IKPE01	Professional Ethics	1	-	2
IKCS01	Computer Science 1	1	-	2
IKAL01	Arabic Language 1	1	-	2
IKEL01	English Language 1	1	-	2
IKHD01	Democracy & Human Rights	1	-	2
Total		15	4	34

Second Level / Year Two (2026)

Course Code	Course Title	Theory Hrs	Practical Hrs	Credit Units
IKDC02	Descriptive Technical Processing 2	2	2	6
IKOT02	Information Organization Tools	2	-	4
IKIS02	Information Services	2	-	4
IKER02	Electronic Information Sources	2	-	4

Course Code	Course Title	Theory Hrs	Practical Hrs	Credit Units
IKIT02	Terminology & Texts in Information Science (Eng)	2	-	4
IKDS02	Data Science	2	-	4
IKCS02	Computer Science 2	1	-	2
IKAL02	Arabic Language 2	1	-	2
IKEL02	English Language 2	1	-	2
IKBC02	Crimes of the Former Ba'ath Regime	1	-	2
Total		16	2	34

Third Level / Year Three (2026)

Course Code	Course Title	Theory Hrs	Practical Hrs	Credit Units
IKSA03	Advanced Subject Analysis	2	2	6
IKRM03	Research Methodology & Techniques	2	-	4
IKPA03	Practical Application 1	2	2	6
IKDS03	Databases & Information Systems	2	-	4
IKIF03	Informatics	2	-	4
IKCM03	Content Management Systems	2	-	4
IKPR03	Public Relations & Marketing	2	-	4
IKKM03	Knowledge Management	2	-	4
IKSM03	Statistical Metrics in Information Science	2	-	4
IKSC03	Scientific Communication & Media	2	-	4

Course Code	Course Title	Theory Hrs	Practical Hrs	Credit Units
Total		20	4	44

Fourth Level / Year Four (2026)

Course Code	Course Title	Theory Hrs	Practical Hrs	Credit Units
IKSN04	Information Networks & Security	2	2	6
IKIR04	Information Storage & Retrieval (Eng)	2	2	6
IKER04	Electronic Documentation & Archiving	2	-	4
IKPA04	Practical Application 2	2	2	6
IKDR04	Digital Repositories	2	-	4
IKIE04	Information & Knowledge Economy	2	-	4
IKQM04	Quantitative Metrics for Information	2	-	4
IKGP04	Graduation Research Project (Seminar)	2	-	4
Total		16	6	38

8. Expected Program Learning Outcomes

Knowledge Outcomes (K):

- **K1:** Interpret key concepts, theories, and scientific foundations of information science, knowledge technologies, and knowledge management.
- **K2:** Explain the principles of information organization, bibliographic description, classification, cataloging, discovery, and retrieval in accordance with global standards.
- **K3:** Explain technical concepts regarding database systems, digital libraries, institutional repositories, content management systems, and information platforms.

- **K4:** Identify practical applications of digital transformation, artificial intelligence, and big data analytics within information institutions.
- **K5:** Outline laws, policies, professional ethics, intellectual property rights, cybersecurity, and data privacy regulations governing information management.

Skill Outcomes (S):

- **S1:** Design and organize traditional and digital information resources using modern professional standards and tools.
- **S2:** Efficiently operate library management systems, databases, content management tools, and digital repositories.
- **S3:** Analyze user needs and develop digital information services tailored to institutional and community requirements.
- **S4:** Utilize software tools, digital platforms, and AI technologies to process data and optimize information services.
- **S5:** Conduct scientific studies and research, gathering and processing data using appropriate methodology.

Value Outcomes (V):

- **V1:** Collaborate effectively within multidisciplinary teams, managing time and resources efficiently.
- **V2:** Apply innovation and entrepreneurial thinking to develop sustainable information services and projects.
- **V3:** Make sound professional decisions supported by data, evidence, and established scientific benchmarks.
- **V4:** Contribute positively to community development, advance digital transformation, and promote sustainable growth goals.

9. Teaching and Learning Strategies

Interactive lectures, hands-on lab training, software-based workshops, research projects, and active problem-solving exercises.

10. Assessment Methods

Daily class preparation, oral quizzes, written monthly and term exams, practical lab testing, evaluation of research reports, and project presentations.

11. Academic Faculty Staff

#	Name	Academic Rank	General Specialization	Specific Specialization	Tenure Status
1	Prof. Dr. Amal Abdul-Rahman Abdul-Wahid	Professor	Information & Knowledge Tech	Information Technology	Tenured
2	Prof. Dr. Ali Abdul-Samad Khudair Farhad	Professor	Information & Knowledge Tech	Info & Communication Science	Tenured
3	Asst. Prof. Dr. Salman Joudi Dawood	Asst. Professor	Information & Knowledge Tech	Info & Knowledge Management	Tenured
4	Asst. Prof. Dr. Hala Ghalib Abdul-Muttalib	Asst. Professor	Information & Knowledge Tech	Information Technology	Tenured
5	Asst. Prof. Hashim Sharif Hassan	Asst. Professor	Information & Knowledge Tech	Informatics	Tenured
6	Asst. Prof. Dr. Qasim Hassan Flaiyih	Asst. Professor	Information & Knowledge Tech	General Linguistics	Tenured
7	Lecturer Dr. Bassam Abdullah Abdul-Jabbar	Lecturer	Information & Knowledge Tech	Digital Media	Tenured
8	Lecturer Dr. Batool Hameed Majeed	Lecturer	Information & Knowledge Tech	Information Systems	Tenured
9	Lecturer Lubna Qasim Muhammad	Lecturer	Information & Knowledge Tech	Arabic Manuscripts	Tenured
10	Lecturer Tariq Taha Abboud	Lecturer	Information & Knowledge Tech	Professional Skills	Tenured
11	Lecturer Ali Muheir Kareem	Lecturer	Information & Knowledge Tech	TQM in Libraries	Tenured

#	Name	Academic Rank	General Specialization	Specific Specialization	Tenure Status
12	Lecturer Samer Sabah Majeed	Lecturer	Information & Knowledge Tech	Specialized Libraries	Tenured
13	Asst. Lecturer Shaker Taher Basht	Asst. Lecturer	Information & Knowledge Tech	Collection Development	Tenured
14	Asst. Lecturer Ikhlas Abdul-Amir Sawadi	Asst. Lecturer	Information & Knowledge Tech	Intellectual Output	Tenured
15	Asst. Lecturer Nidal Ne'ma Abdul-Qadir	Asst. Lecturer	Information & Knowledge Tech	Automated Systems	Tenured
16	Asst. Lecturer Suad Naim Abdul-Sayyid	Asst. Lecturer	Information & Knowledge Tech	Intellectual Output	Tenured
17	Asst. Lecturer Muhammad Saleh Ne'ma	Asst. Lecturer	Information & Knowledge Tech	Electronic Publishing	Tenured
18	Asst. Lecturer Rusul Abdul-Karim Bashakh	Asst. Lecturer	Information & Knowledge Tech	Digital Media	Tenured
19	Asst. Lecturer Istiqlal Jassim Nashmi	Asst. Lecturer	Information & Knowledge Tech	Information Institutions	Tenured

12. Professional Development

Orientation for New Faculty Members:

Implementation of an "Academic Mentorship" framework, assigning senior full professors to supervise newly hired faculty. Mentors guide junior instructors in interactive teaching methods, classroom management, and emerging research directions.

Continuing Professional Development:

Encouraging faculty participation in international conferences and workshops, organizing specialized training on plagiarism-detection software to uphold academic integrity, and supporting publications in peer-reviewed journals and encyclopedias.

13. Admission Criteria

Centralized admission process managed by the Ministry of Higher Education and Scientific Research for secondary school graduates (Scientific and Literary tracks) according to official admission pathways.

14. Key Sources of Program Information

1. Official website of the College of Arts / University of Basrah.
2. Central Admission Student Guidebook.
3. Information boards at the Deanship and Department of Information & Knowledge Technologies.
4. Official social media channels and pages of the department.

15. Program Development Plan

- **Curriculum Modernization:** Update course content to reflect current advancements, introducing modern subjects such as AI Ethics and Practical AI Applications.
- **Professional & Research Empowerment:** Establish strategic partnerships with research centers and academic publishing houses to train students on state-of-the-art software used in digital libraries.
- **Skill Development:** Transition assessment strategies away from traditional examinations toward project-driven evaluations for students and staff alike.

16. Program Skills Map Matrix

[illegible]

[illegible]

[illegible]

[illegible]

Level	Course Code	Course Title	Core / Elective	K 1	K 2	K 3	K 4	S 1	S 2	S 3	S 4	V 1	V 2	V 3	V 4
Fourth	IKD R04	Digital Repositories	Core	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fourth	IKI E04	Info & Knowledge Economy	Core	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fourth	IKQ M04	Quantitative Metrics	Core	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fourth	IKG P04	Graduation Research Project	Core	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Course Description Template

- **Course Name:** *(Insert Course Name)*
- **Course Code:** *(Insert Course Code)*
- **Semester / Year:** *(Insert Term)*
- **Description Preparation Date:** *(Insert Date)*
- **Available Attendance Formats:** In-Person / Mandatory
- **Total Credit Hours / Credit Units:** *(Insert Hours/Units)*
- **Course Instructor(s):**

- **Name:** *(Insert Instructor Name)*
- **Email:** *(Insert Email Address)*

Course Objectives

1. Enhance understanding of theoretical concepts and provide students with essential practical expertise within the discipline.

Teaching and Learning Strategies

Theoretical lectures, group discussions, and practical lab applications.

Course Structure

Week	Hours	Targeted Learning Outcomes	Unit / Topic Name	Teaching Method	Evaluation Method
1	-	Comprehend basic concepts	Course Introduction	Lecture	Oral Quiz
2	-	Master theoretical foundations	Core Theory	Discussion	Homework
3	-	Apply techniques in practice	Practical Application	Lab Work	Practical Assessment

Course Assessment Scheme

Marks distributed out of 100 based on assigned tasks including preparation, oral tests, term exams, and project reports:

- **Class Participation & Preparation:** 10%
- **Term Examinations:** 30%
- **Final Examination:** 60%

Learning and Teaching Resources

- **Required Textbooks:** Officially prescribed core textbooks.
- **Main References:** Specialized academic literature.

- **Recommended References:** Academic journals and field reports.
- **Electronic Resources:** Scientific databases and digital journals.