

**Master's Degree
in Library and Information
Science
(Thesis)**

1. General Rules and Conditions:

1. This plan conforms to rules and regulations of graduate studies programs at the university of Jordan.
2. Applicants for admission in this program must hold the following university specializations and degrees:
 - a. Bachelor's in library, information and/or documentation,
 - b. Bachelor's in any field of knowledge.
3. **SPECIAL CONDITIONS:** None.
4. **THE STUDY PLAN: (33) Credit Hours as follows:**

1. Obligatory Courses: (15) Credit Hours as follows:

Course No.	Course Title	Credit hrs.	Theory	Prac	Pre-request
0807762	Subject Analysis of Information	3	3	-	-
0807765	Advanced Classification	3	3	-	-
0807768	Research Methods In Information Science and Libraries	3	3	-	-
0807774	Database Management Systems	3	3	-	-
0807775	Electronic Publishing	3	3	-	-

1. Elective Courses: (9) Credit hours from the following:

A. Student Selects (3) Credit hours from the following:

Course No.	Course Title	Credit hrs.	Theory	Prac	Pre-request
0807761	Current Issues in Information Science	3	3	-	-
0807763	Knowledge Management	3	3	-	-
0807764	Electronic Resource Management and Organization	3	3	-	-
0807766	Information Marketing	3	3	-	-
0807767	Contemporary Issues in Management of Information Centers and Libraries	3	3	-	-

B. Student Selects (3) Credit hours from the following:

0807770	Performance Evaluation in Information Centers & Libraries	3	3	-	-
0807771	Leadership in Information Centers and Libraries	3	3	-	-
0807772	Management Information Systems in Information Centers and Libraries	3	3	-	-
0807773	Human Resources Management in Information Centers and Libraries	3	3	-	-
0801741	Methods of Research Design	3	3	-	-

C. Student Selects (3) Credit hours form the following :

0807776	Information Networks	3	3	-	-
0807777	Information Security	3	3	-	-
0807769	Information Storage & Retrieval Systems	3	3	-	-
0807778	Integrated Information and Library Systems	3	3	-	-

3. Thesis: 9 Credit hours (0807799)

Master's Degree in Library and Information Science

Course Description

0807761 Current Issues in Information Science (3 credit hours):

Building theory in information science, the electronic context of information, information systems, databases, electronic sources of information, data communications, information networks, the Internet, economics of information, intellectual property, information security, assessment of electronic information services.

0807762 Subject Analysis of Information (3 credit hours):

Knowledge growth, bibliographic control and its importance. Information retrieval systems, the concept and methods of subject analysis. The philosophy and principles of subject headings and thesaurus, and the selection of descriptors. Indexing: importance and types, indexing Languages, pre-coordinated indexing and post coordinated indexing. Abstracting, computerization and information technology, and networks.

0807763 Knowledge Management: (3 credit hours):

Concept of information and knowledge management, profit and non-profit firms, strategic information, information production, acquisition, processing, services and marketing; strategic knowledge and its management, knowledge building, knowledge economy, management information systems, measurement and evaluation of knowledge, ethics of knowledge management.

0807764 Electronic Resource Management and organization (3 credit hours)

Digital and virtual libraries, Electronic resource types: electronic journals, databases, etc.; Selection and acquisition; Purchasing, licensing and access management; consortia and cooperative purchasing; Evaluation and monitoring use; Organizing electronic resources: MARC21, metadata, etc.; Technology and technical support: Integrated Library Systems (ILS) and Electronic Resource Management systems (ERM); Search strategies.

retrieval systems, communication and information delivery systems, and human resources.

- 0807771 Leadership in Libraries and Information Centers (3 credit hours):**
The concept of leadership, duties and responsibilities, Sources of power, characteristics and traits leadership styles, dimensions of effective leadership, practical leadership, charismatic leadership, transformational leadership theories, leadership dynamics, decision- making, leadership ethics, value and value-added, organizational behavior, and leadership and management of change.
- 0807772 Management Information Systems in Information Centers and Libraries (3 credit hours):**
Systems theory, management information systems; top, middle and executive management. The concept of management information systems in information centers and Libraries: development, functions, values, characteristics, components and types. The use of technology, and the role of management information systems in decision-making, planning for the establishment of management systems as to design and analysis, development, maintenance and evaluation.
- 0807773 Human Resources Management in Information Centers and Libraries(3 credit hours):**
The Concept of human resources management; value, roles, responsibilities, and organization, planning, job description and analysis, recruitment, selection and appointment, incentives, motivation, supervision, directing, locus of control, performance evaluation and measurement, training, human relations, leadership, communication, health and vocational safety, total quality and human resources management
- 0801741 Methods of Research Design (3 credit Hrs) :**
Experimental, quasi- experimental and pre-experimental designs with respect to their properties, usage and their positive and negative sides. In particular the course introduce the learner to the various designs such as : CRD, factorial, Latin-square, nested, repeated measures, the single case and the like. It also clarifies the various factors that affect both the internal and external validates of these designs. In

addition, the course introduces the learner to the different statistical methods used with each design and the necessary calculations included.

- 0807776 Information Networks (3 credit hours):**
Concepts of data Communication, Methods, Computer Networks and development, types of Networks and its Topologies, Network layers, Protocols, Management of Networks, per-to-peer and client server Network, Hyprmedia, File Transfer, Virtual Reality, Controlling Protocols, Multimedia Networks, Internet, Information Network in Libraries, Case Studies.
- 0807777 Information Security(3 credit hours):**
Security in Information Society, Risk management, Information War, Security in Information Centers, Computer Security, Software Security, Network Security, Computer Viruses, Encryption and Controlling, National Information Security, Computer Crimes and Ethics, Case studies.
- 0807774 Database Management Systems (3 credit hours):**
Database Systems, Database Models, Relationship Models, SQL language and applications, DML, DDL, Integration of Information, Views, Data Dictionary, Information Retrieval, design of Data bases, Objects Oriented Systems, On hand Application and Training Using Real Applications on Labs.
- 0807769 Information Storage & Retrieval Systems (3 credit hours):**
The structure and organization of information, file structure, methods of information storage in computers, the development of information storage and retrieval systems. Components and types of these systems. Subject retrieval, search strategies and the use of Boolean Operators. The use of indexing languages (natural and restricted) in searching, online searching in networks and the Internet, and use of standards for assessment.
- 0807778 Integrated Information and Library Systems (3 credit hours):**
Application of computer in information centers and libraries, analyses and deign of a library information system, developing multimedia system, tools for teaching electronic

material, developing a web for e-learning, simulation, animation, project: developing a library information system.

0807775 Electronic Publishing (3 credit hours):

Introduction to concepts and techniques for WWW information services; WWW design support, Production and evaluation of WWW information services; Developing strategies for locating resources; HTML (Hyper Text Markup Language); Publishing information, Web Page Design (Microsoft Front Page); Publishing HTML pages using HTML Tags and HTML Tools; Java Script; Java Applets and XML. Weekly practice in the lab.

**Master's Degree
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Science
(Comprehensive Track)**

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3. **SPECIAL CONDITIONS:** None.
4. **THE STUDY PLAN: (33) Credit Hours as follows:**

2. Obligatory Courses: (24) Credit Hours as follows:

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0807761	Current Issues in Information science	3	3	-	-
0807762	Subject Analysis of Information	3	3	-	-
0807763	Knowledge Management	3	3	-	-
0807764	Electronic Resource Management and Organization	3	3	-	-
0807765	Advanced Classification	3	3	-	-
0807769	Information Storage & Retrieval Systems	3	3	-	-
0807774	Database Management Systems	3	3	-	-
0807775	Electronic Publishing	3	3	-	-

3. Elective Courses: (9) Credit hours from the following:

A: Student selects (3) Credit hours from the following:

Course No.	Course Title	Credit hrs.	Theory	Prac	Pre-request
0807766	Information Marketing	3	3	-	-
0807767	Contemporary Issues in Management of Information Centers and Libraries	3	3	-	-
0807768	Research Methods In Information Science and Libraries	3	3	-	-
0801741	Methods of Research Design	3	3	-	-

B: Student selects (3) Credit hours from the following:

0807770	Performance Evaluation in Information Centers & Libraries	3	3	-	-
0807771	Leadership in Information Centers and Libraries	3	3	-	-
0807772	Management Information Systems in Information Centers and Libraries	3	3	-	-
0807773	Human Resources Management in Information Centers and Libraries	3	3	-	-

C: Student selects (3) Credit hours from the following:

0807776	Information Networks	3	3	-	-
0807777	Information Security	3	3	-	-
0807778	Integrated Information and Library Systems	3	3	-	-

3. Comprehensive exam (0807798)

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