

## In the Name of God

### Islamic Republic of Iran Ministry of Health and Medical Education Deputy for Education

## Medical Library and Information Sciences Degree: Master of Science (MSc)

### Total Course Credits

- Compensatory: 13
- Core: 22
- Non-core (Electives): 4
- Thesis (MSc):6

### Program Description

Medical Library and Information Science is a multidisciplinary field with M.Sc. graduates learning to use information technology and knowledge management for knowledge acquisition, organization and dissemination in academic health settings, including schools, hospital libraries and health information centers, where information exchange among clinicians, health personnel and students is carried out.

Master of Medical Library and Information Science focuses on the knowledge and skills necessary for identification, acquisition, organization, retrieval, and dissemination of information used to meet the needs of diversified information, knowledge, and learning environments. Moreover, it can contribute to tracking scientific output of medical research used to plan for expanding further research studies.

Master of Medical Library and Information Science provides a foundation for career development in library and information works. The graduates will be able to facilitate information access, dissemination, use and translation and to act as a research consultant. In line with Islamic Republic of Iran's attempt to take on a leadership role in the region, this program enables the graduates to make a significant contribution to tracking the scientific output of medical research and promoting Iran's status.

### Admission Requirements

Applicants should:

- hold a bachelor's degree
- be graduated from accredited universities in Iran or abroad which are approved by Ministry of Health and Medical Education or Ministry of Science, Research and Technology
- pass the entrance exam held by Ministry of Health and Medical Education

Important Note: The aforementioned conditions do not apply to foreign students.

The subjects included in the entrance exam are shown in the following box.

Materials	Weight
Library Science	3
Medical Information Science and Technology	3
English	3
Total	9

### Expected Competencies at the End of the Program

## General Competencies\*

### Specific Competencies and Skills

At the end of the program learners will be competent in the following skills:

- new technologies such as web 2.0 , artificial intelligence, and their role in library and Information Science
- information system playing an important role in presenting information services

### Educational Strategies, Methods and Techniques\*

#### Student Assessment (Methods and Types)

- Formative (quizzes and Midterm Exam)
- Summative (Final Exam)
- Oral and written exams, observation, logbook, monitoring the progress, completion and defense of thesis

### Ethical Considerations\*

\*Note: The related document(s) can be found at <http://hcmeq.behdasht.gov.ir/>.

### Tables of the Courses

**Table 1. Compensatory Courses**

Code of the Course	Title of the Course	Credits			Teaching Hours			Prerequisite or Concurrent courses
		Theoretical	Practical	Total	theoretical	Practical	total	
01	Specialized English	2		2	34		34	-
02	Medical Terminology	2		2	34		34	-
03	Statistics	2		2	34		34	-
04	Medical Resources Organization*	2	1	3	34	34	68	-
05	Medical Overview (1)**	2		2	34		34	02
06	Medical Overview (2)**	2		2	34		34	05
<b>Total</b>					<b>13</b>			

Students should pass some or all the compensatory courses specified by the department and approved by Post-Graduate Council at the university.

\* Passing this course is obligatory except for graduates of Medical Library and Information Science.

\*\* Passing these two courses is obligatory for all students who have not taken them before admission.





**Table 2. Core Courses**

Number of the Course	Title of the course	Credits			Teaching Hours			Prerequisite or Concurrent Courses	
		Theoretical	practical	Total	theoretical	Practical	total		
07	Information Science fundamentals	2		2	34		34	-	
08	Information Resource Management	2		2	34		34	-	
09	Basics of Programming	1	1	2	17	34	51	-	
10	Information Systems and Technology	1.5	0.5	2	26	17	43	09	
11	Indexing and Abstracting	1	1	2	17	34	51	04	
12	Medical Resources and Databases	1	1	2	17	34	51	-	
13	Information Retrieval	1.5	0.5	2	26	17	43	11	
14	Library and Information Centers Management	2		2	34		34	-	
15	Research Methods	2		2	34		34	-	
16	Research Seminar	1.5	0.5	2	26	17	43	15	
17	Internship		2	2		136	136	-	
18	Thesis		6					-	
<b>Total</b>		28							

**Table 3. Non-core Courses**

Code of the Course	Title of the Course	Credits			Teaching Hours			Prerequisite or Concurrent Courses	
		Theoretical	Practical	Total	Theoretical	Practical	Total		
19	Digital Libraries	2		2	34		34	-	
20	Familiarity with distance education	1.5	0.5	2	26	17	43	-	
21	International and National Information Centers	2		2	34		34	-	
22	Independent Learning	2		2	34		34	15	
<b>Total</b>		8							

Students should pass 4 credits of the non-core courses on the basis of their thesis topic and approval of their supervisors.

<p>Jamshid Hajati PhD Secretariat of the Council for Education of Health and Basic Medical Sciences (Undergraduate and Postgraduate)</p> 	<p>Seyed Mansour Razavi MD Secretary of the Supreme Council for Medical Sciences Planning</p> 
<p>Bagher Larijani MD Deputy for Education Ministry of Health and Medical Education</p> 