

Zahedan University of Medical Sciences (ZAUMS)
Faculty of Paramedicine Sciences
Health Information Technology



The Curriculum Plan for the Bachelor's in Health Information Technology

Semester: 1

#	Course title	Course type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1	Physiology	*			3			3	-
2	Anatomy	*			1.5	0.5		2	-
3	Medical Terminology I		*		2			2	-
4	Principles of Epidemiology	*			2			2	-
5	Basic Mathematics	*			2			2	-
6	Health Information Management I				2			2	-
7	Physical Education I		*			1		1	-
8	Computer Principles	*			0.5	0.5		1	-
9	Laboratory of Computer Principles	*				1		1	-
10	Fundamentals of Management	*			2			2	-
11	Pre- Requisite English			*	2			2	-
Total Credits of the Semester					17	3		20	-

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Semester: 2

#	Course title	Course type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
12	Medical Terminology II		*		2			2	3. Medical Terminology I
13	Software application		*		0.5	0.5		1	8-Computer Principles 9- Laboratory of Computer Principles
14	Laboratory of Software application		*			1		1	13-Software application
15	Islamic Thought I				2			2	-
16	Principles of accounting and health economics		*		2			2	5. Mathematics
17	General English				3			3	11- Pre- Requisite English
18	Health Information Management II		*		2			2	6-Health Information Management I
19	Pathogen Agents	*			2			2	-
20	Biostatistics	*			2			2	5. Mathematics
21	Pathology I		*		2			2	1. Physiology 2. Anatomy 3. Medical Terminology I
22	Physical Education II		*			1		1	7- Physical Education I
Total Credits of the Semester					17.5	2.5		20	

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Semester: 3

#	Course title	Course type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
23	Introductory Computer programming		*		1	0.5		1.5	5- Basic Mathematics
24	Laboratory of Introductory computer programming		*			0.5		0.5	23- Introductory Computer programming
25	Inferential biostatistics		*		1.5	0.5		2	20-Biostatistics
26	Pathology II		*		2			2	21- Pathology I
27	Specialized English of Health Information Technology		*		3			3	17- General English
28	Islamic Thought II				2			2	15- Islamic Thought (I)
29	Pharmacology	*			2			2	-
30	Persian Literature				3			3	
31	Computer networks		*		1	0.5		1.5	8-Computer Principles
32	Laboratory of Computer networks		*			0.5		0.5	31- Computer networks
33	Data Structure		*		2			2	5- Mathematics, 8-Computer Principles
Total Credits of the Semester					17.5	2.5		20	

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Semester: 4

#	Course title	Course type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
34	Pathology 3		*		2			2	21- Pathology I
35	Specialize English for Health Information Management		*		3			3	27- Specialized English of Health Information Technology
36	Diseases Coding 1		*		1.5	0.5		2	21- Pathology I
37	Performance Improvement Management in Healthcare Centers		*		2			2	10- Principles of Management
38	Research Methodology	*			1.5	0.5		2	25- Inferential biostatistics
39	Advanced Computer programing		*		1	0.5		1.5	33- Data Structure
40	Laboratory of Advanced Computer programing		*			0.5		0.5	39- Advanced Computer programing
41	Population and Family Planning				2			2	-
42	Health Information System		*		2			2	6- Health Information Management I
43	Internship of health information management 1 and 2		*				2	2	18- Health Information Management II
44	First aid				0.5	0.5		1	-
Total Credits of the Semester					15.5	2.5	2	20	

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Semester: 5

#	Course title	Course type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
45	Research Project		*			2		2	38- Research Methodology
46	Health Information System Management		*		2			2	42- Health Information System
47	Health Information Systems Application		*		2			2	46- Health Information System Management
48	Laboratory of Health Information Systems Application		*			1		1	47- Health Information Systems Application
49	Diseases Coding 2		*		1	1		2	36- Diseases Coding 1
50	Processing and calculation of outpatient and paraclinical insurance documents		*		1	1		2	12,21, 22,26, 29, 52
51	Medical Procedure Coding		*		0.5	0.5		1	36, 52
52	Surgical procedures, diagnostic-therapeutic and medical supplies services		*		2			2	34- Pathology 3
53	Health data analysis and indicators		*		2			2	25- Inferential biostatistics
54	History of culture and civilization of Islam and Iran				2			2	-
55	Internship of Health data analysis and indicators		*				1	1	53- Health data analysis and indicators
56	Internship of Health Information Systems Application		*				1	1	47- Health Information Systems Application
Total Credits of the Semester					12.5	5.5	2	20	

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Semester: 6

#	Course title	Course type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
57	Special International classifications		*		1	1		2	59- Disease Coding 3
58	Mortality Coding		*		1.5	0.5		2	59- Disease Coding 3
59	Disease Coding 3		*		1.5	0.5		2	49- Diseases Coding 2
60	Health Data Analysis and Display		*		1	0.5		1.5	20- Biostatistics
61	Laboratory of Health Data Analysis and Display		*			0.5		0.5	60- Health Data Analysis and Display
62	Monitor and inspect medical centers		*		0.5	0.5		1	29- Pharmacology 50- Processing and calculation of outpatient and paraclinical insurance documents 63- Processing and calculation of hospital insurance documents
63	Processing and calculation of hospital insurance documents		*		1	1		2	12- Medical Terminology II 21- Pathology I 26- Pathology II 29- Pharmacology 52- Surgical procedures, diagnostic-therapeutic and medical supplies services
64	Database		*		1	0.5		1.5	39- Advanced Computer programing
65	Laboratory of Database		*			0.5		0.5	64- Database
66	Analytic History of Early Islam				2			2	-
67	Thematic Interpretation of the Quran				2			2	-
68	Internship of Coding		*				1	1	52- Surgical procedures, diagnostic-therapeutic and medical supplies services 49- Diseases Coding 2
69	Internship of Mortality Coding		*				1	1	58- Mortality Coding
Total Credits of the Semester					11.5	5.5	2	19	

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Semester: 7

#	Course title	Course type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
70	Professional Ethics			*	1			1	-
71	Internship in the Field I		*				5	5	-
72	Internship in the Field II		*				5	5	-
73	Islamic Ethics				2			2	-
74	Islamic Revolution of Iran				2			2	-
75	Principles and basics of risk management, accidents and disasters			*	2			2	-
	Total Credits of the Semester				7		10	17	