

Faculty of Allied Medical Sciences

Department of Respiratory Therapy

Study Plan for the bachelor's degree in Respiratory Therapy

2022-2023

Vision: Leadership in teaching and learning respiratory therapy, scientific research, and community service

Mission: Graduating specialists in respiratory therapy qualified with scientific capabilities and practical skills to meet the needs of the local and regional community with international standards.

Program Objectives:

1. Graduate specialists in the profession of respiratory therapy with high professional competence •
2. Developing the profession of respiratory therapy by developing curricula and encouraging scientific research.
3. Focusing on seeking to implant medical education supported by evidence based practice.
4. Cooperating with similar educational programs; In order to raise the level of medical education, and exchange experiences.
5. Providing educational opportunity for all workers in the field of respiratory therapy, through annual conferences and seminars specialized in various aspects of specialization.
6. Serving the local community by spreading health awareness related to maintaining a healthy respiratory system.
7. Building students' sense of developing oneself scientifically and professionally through self-learning

Program learning outcomes (PLOs):

1. Knowing the basic principles and applications of respiratory therapy.
2. Familiarity with respiratory diseases through assessment and development of treatment plan of appropriate measures for the patient's condition.
3. Produce sound Judgment about the functional problems of respiratory diseases, taking into account the preventive aspects, and based on evidence based practice.
4. Application of creative thinking as a method in solving problems of respiratory diseases.
5. Work in a team and act responsibly in personal and professional situations.
6. Apply ethical behaviors in making remedial judgments.
7. Apply general safety measures and effective communication methods when dealing with patients

1. Framework for respiratory therapy bachelor's degree (136 Cr. Hrs.)

Classification	Credit Hours			Percentage
	Compulsory	Elective	Total	
University Requirements	12	12	24	17.6%
Faculty Requirements	21	-	21	15.4%
Program Requirements	82	6	88	64.31%
Free Electives	3	-	3	2.1%
Total	118	18	136	100%

The coding system approved at the university

Example: Introduction to anesthesia technique

1	2	0	4	1	2	2	1
College		Department		Course level		cognitive domain	Sequence
_____		_____		_____		_____	_____

Knowledge Areas

Number	Knowledge Field	Hours
1	Basic and medical sciences	42
2	Fundamentals of respiratory therapy	29
3	Respiratory therapy methods in Acute and chronic chest disease	14
4	Clinical practice in respiratory therapy	24

2. University Requirements: (24 Credit Hours)

2.1. Compulsory University Requirements: (12Credit Hours)

Course No.	Course Title	Cr. Hr.	Prerequisite	Co-requisite
01101101	Military Sciences	3		
01101102	Civic Education	3		
01101111	Arabic Language	3	01100011	
01101112	English Education	3	01100012	
Total		12		

2.2. Elective: 12 Credit Hours from the following courses.

Course No.	Course Title	Cr. Hr.	Prerequisite	Co-requisite
01101103	Traffic Education	3		-
01101104	Innovation and Entrepreneurship	3		-
01101121	Life Skills	3		-
01101131	Islamic Education	3		-
01101132	Jerusalem and the Hashemite Custodianship	3		-
01101141	Sport and Health	3		-
01101142	Environment and Society	3		-
01101151	Computer Skills	3		01100051
01101152	Internet and Communication	3		-
01101161	Economic Systems and Concepts	3		-
01101171	Psychology and Society	3		-
01101213	Communication Skills in Arabic	3		01101111
01101214	Communication Skills in English	3		01101112
01101243	Safety and First Aid	3		-
01101281	Scientific Research Methods	3		-
01101282	Introduction to Astronomy	3		-
03011101	Law in our Life	3		-
03021201	Human Rights	3		-

Second: College requirements 21 credit hours

Compulsory college requirements 21 credit hours:

Prerequisite	Practical	Theory	Credit hour	Course name	Course #
-	-	3	3	pathology	12032115
-	-	2	2	Psychology for clinician	12012216
-	-	1	1	Ethics for medical profession	12041218
-	-	3	3	General medical physics	11021205
-	-	3	3	General biology	11011281
11011281	3	-	1	General biology practical	11011282
11011282	-	3	3	Human anatomy	12021211
12011211	3	-	1	Human anatomy practical	12021212
-	-	3	3	General chemistry	11011107
11011107	3	-	1	General chemistry practical	11011108
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Elective College Requirements:

Prerequisite	Practical	Theory	Credit hour	Course name	Course #
	None				

Third: Major requirements are 88 credit hours

Compulsory major requirements 82 credit hours:

Prerequisite	Practical	Theory	Credit hour	Course name	Course #
1202221 syn	3	1	2	Nursing fundamentals	09012103
12021212 syn	-	3	3	Human physiology	12042221
12021212	-	3	3	Respiratory system anatomy	12041211
12042221	-	3	3	Pharmacology 1	05023121
12032111 syn	3	2	3	Medical gases	12042122
12042232	3	2	3	Rehabilitation for respiratory patients	12043233
-	-	3	3	Introduction for respiratory therapy	12041212
12032115	3	2	3	Respiratory system pathology 1	12042224
12042224 syn	3	2	3	Fundamentals of Respiratory Therapy and Artificial Respiration	12042231
12044231	3	2	3	Fundamentals of pulmonary functions testing methods	12043238
12042231 12043238	9	-	3	Clinical practice 1	12043141
12042224 syn	-	3	3	Respiratory therapeutic procedures	12042232
12032111	3	2	3	Pharmacology for respiratory	12042234
12042232	3	2	3	Intensive care of the heart and lungs	12043135
12041212	-	3	3	Administration in the respiratory unit	12042251
12043141	9	-	3	Clinical practice 2	12043242
12043242	9	-	3	Clinical practice 3	12043243
12043243	9	-	3	Clinical practice 4	12043244
12042232	-	3	3	Advanced pulmonary function screening methods	12044231
12042122	3	1	2	Blood gases	12043125
12042251	6	1	3	Managing artificial respirators	12044139
12042224	3	2	3	Fundamentals of sleeping dyspnea	12043136
12041212		2	3	Occupational health hazards	12044153
12042224	3	2	3	Respiratory system pathology2	12043126
12041212	3	3	4	Clinical Evaluation	12043127
12042224	-	2	2	Respiratory care for pediatrics	12043237
12043244	12	-	4	Clinical Training 1	12044141
12044241	12	-	4	Clinical training 2	12044242
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Fourth: Major elective requirements 6 credit hours that the student chooses from the following subjects:

Prerequisite	Practical	Theory	Credit hours	Course name	Course #
11011282	–	3	3	Microbiology	12031262
11011107	–	3	3	Clinical biochemistry	05024121
-	–	3	3	Research methods and techniques	12042112
12042221	–	3	3	Advanced respiratory physiology	12042214
	–	3	3	Statistics and probability	11031141

Forth: Free Courses: 3 credit

The student chooses from the subjects offered by the university

Advisory plan for the respiratory therapy specialty 2202/2203

First year				
First semester				
Co-requisite	Prerequisite	Credit hours	Course name	Course #
–	01100012	3	English language	01101112
–	01100011	3	Arabic language	01101111
–	–	3	General Biology	11011281
11011281	–	1	General Biology Practical	11011282
–	–	3	General Chemistry	11011107
11011101	–	1	General Chemistry practical	11011108
–	–	3	University electives	
		17	Total	

Second semester				
Co-requisite	Prerequisite	Credit hours	Course name	Course #
–	11011282	3	Human anatomy	12011211
12011211	–	1	Human anatomy practical	12011212
12011212		3	Human physiology	12011213
12042221	–	2	Nursing fundamentals	09012103
–	–	2	Psychology for clinician	12012216
–	–	3	General medical physics	11021205
–	–	3	Military sciences	01101101
		17	Total	

Second year				
First semester				
Co-requisite	Prerequisite	Credit hours	Course name	Course #
-	-	3	Civil education	01101102
-	11011281	3	Pathology	12012115
-	-	3	Introduction to respiratory therapy	12041212
-	12042221	3	Pharmacology 1	05023121
12042111		2	Medical gases	12042122
-	12021212	3	Respiratory system anatomy	12041211
		17	Total	

Second semester				
Co-requisite	Prerequisite	Credit hours	Course name	Course #
	12042111	3	Pharmacology for respiratory	12042234
	12032115	3	Respiratory system pathology1	12042224
-	12041212	2	Administration in the respiratory unit	12042251
12042224	-	3	Fundamentals of Respiratory Therapy and Artificial Respiration	12042231
12042224		3	Respiratory therapeutic procedures	12042232
		3	University electives	
		17	Total	

Third year				
First semester				
Co-requisite	Prerequisite	Credit hours	Course name	Course #
–	12042224	3	Respiratory system pathology2	12043126
–	12042122	3	Medical gases	12043125
–	12042121	3	Clinical evaluation	12043127
–	12042231 12043238	3	Clinical practice 1	12043141
	12042224	3	Fundamentals of sleeping dyspnea	12043136
–	12042232	3	Intensive care of the heart and lungs	12043135
		18	Total	

Second semester				
Co-requisite	Prerequisite	Credit hours	Course name	Course #
–	12042224	3	Respiratory care for pediatrics	12043237
–	12042232	3	Rehabilitation for respiratory patients	12043233
–	12043141	3	Clinical practice2	12043242
–	12043142	3	Clinical practice3	12043243
–	12044231	3	Fundamentals of pulmonary functions testing methods	12043238
–	12042251	3	Managing artificial respirators	12044139
		18	Total	

Fourth year				
First semester				
Co-requisite	Prerequisite	Credit hours	اسم المادة	Course #
–	12043243	3	Clinical practice4	12044244
–	12041212	2	Occupational health hazards	12044153
–	12043244	4	Clinical training 1	12044141
		3	Optional major	
		3	Optional major	
		1	Ethics for medical profession	12011218
		16	Total	

Second semester				
Co-requisite	Prerequisite	Credit hours	Course name	Course #
–	12044141	4	Clinical training2	12044242
	12042232	2	Advanced pulmonary function screening methods	12044231
		3	Free course	
		3	Major elective requirementt	
		3	University electives	
		16	Total	

