



**College of Health Sciences  
School of Rehabilitation and Medical Sciences**

**Study Plan  
Bachelor of Science in Respiratory therapy (BSRT)  
Effective Academic Year 2025-2026**

YEAR-1											
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER			
Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours
BSRT101	Medical Terminology	--	3	HSCR101	Anatomy and Physiology II Theory		3	BIOL200	Microbiology and Immunology		3
BIOL101	General Biology	--	4	HSCR101L	Anatomy and Physiology II Lab		1	BIOL200L	Microbiology and Immunology		3
HSCR100	Anatomy and Physiology I Theory	--	3	HSCR200	Pathophysiology		3	COMP101	Computer Skills		2
HSCR100L	Anatomy and Physiology I Lab	--	1	CHEM107	Fundamentals of Chemistry		4				
ENGL150	English Language I	--	2	ARAB101	Arabic Language II	ARAB100	2				
HSCR105	Introduction to Oman Healthcare system	--	1	EMGL152	English Language II	ENG150	2				
ARAB100	Arabic Language I	--	2								
<b>Total</b>			<b>16</b>				<b>15</b>				<b>5</b>

YEAR-2											
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER			
Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours
BSRT201	Patient Assessment		3	BSRT204	Respiratory therapy Therapeutics Lab	BSRT203	1	BSRT205	Clinical Practice 1		2
BSRT202	Patient Assessment Lab	BSRT201	1	BSRT206	Cardiopulmonary diagnostic I		3				
BSRT203	Respiratory therapy Therapeutics		3	BSRT207	Cardiopulmonary diagnostic I Lab	BSRT206	2				
BSRT105	Cardiopulmonary Pathophysiology		3	BSRT103	Cardiopulmonary Pharmacology		3				
BSRT104	Cardiopulmonary Anatomy & Physiology		3	HSCR104L	First Aid and BLS Laboratory		1				
BSRT102	Introduction to Respiratory therapy Profession		2	--	School Elective		2				
				HSCR210L	Health Informatics		1				
				BSRT105	Psychology		2				
<b>Total</b>			<b>15</b>				<b>15</b>				<b>2</b>

YEAR-3											
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER			
Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours
BSRT301	Mechanical ventilation I	--	3	BSRT305	Cardiopulmonary Diagnostics II Lab	BSRT304	1	BSRT303	Clinical Practice II	BSRT206	2
BSRT302	Mechanical ventilation I Lab	BSRT301	3	BSRT306	Pulmonary Rehabilitation	BSRT205 BSRT206	3	BSRT307	Clinical Practice III	BSRT201	2
BSRT304	Cardiopulmonary diagnostic II	--	3	BSRT308	Neonatal/Pediatric Respiratory therapy	--	3				
HSCR301	Research, Epidemiology and Evidence-based Practice	--	3	BSRT309	Neonatal/Pediatric Respiratory therapy Lab	BSRT308	1				
CARC300	Career Counselling	Complete > 60 CH	1	HIST150	Islamic Civilization	--	3				
				BIOL301	Biostatistics	Pre/CO HSCR301	2				
				HSCR313	Advance Seminar in Health Sciences	Complete >60 CH	1				
<b>Total</b>			<b>13</b>				<b>14</b>				<b>4</b>

YEAR-4											
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER			
Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours
BSRT401	Mechanical Ventilation II		3	BSRT405	Adult Critical Care Lab	BSRT404	1				
BSRT402	Mechanical ventilation I Lab	BSRT401	2	BSRT403	Clinical Practice IV	BSRT404	2				
HSCR400	Graduation Research Project		6	MNGT100	Entrepreneurship: Innovation and Creativity	Complete > 45 CH	3				
BSRT404	Adult Critical Care		3	NRSG425	Global Health		2				
	School elective		2		University Elective		3				
				BSRT406	Clinical Practice V	BSRT404	2				
				HSCR404	Interprofessional Simulation in Healthcare		1				
<b>Total</b>			<b>16</b>				<b>14</b>				

YEAR-5											
FALL SEMESTER				SPRING SEMESTER				SUMMER SEMESTER			
Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours	Course Code	Course Title	Pre/Co-Requisite	Credit Hours
HSCR500	Internship	CGPA $\geq$ 2 Completed 131 CH	12								
BSRT500	RT Professional Examination review	CGPA $\geq$ 2 Completed 130 CH	0								
<b>Total</b>			<b>12</b>								