

Urmia University of Medical Sciences
School of Allied Health
Curriculum of Radiology-BSc. Degree

Urmia University of Medical Sciences (UMSU)- International Campus

Radiology curriculum for the BSc. degree. Some subjects could be displaced between semesters.

Radiology- BSc.-1st semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Anatomy 1	1.5	0.5		2
2	Physiology	1.5	0.5		2
3	Cellular biology	2	-		2
4	General physics	2	1		3
5	General mathematics	2	-		2
6	Physical Education 1	-	1		1
7	Islamic Thought 1	2	-		2
8	Persian literature	3	-		3
9	Pre university English	2	-		2
Total					19

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Radiology- BSc.- 2th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Anatomy 2	2	-		2
2	General health	1	-		1
3	Statistics	1	-		1
4	General Pathology	2	-		2
5	General English	3	-		3
6	Radiation Physics	3	-		3
7	Radiographic methods 1	3	-		3
8	Familiarity with new information technology	1	1		2
9	Physical Education 2	-	1		1
10	Islamic thought 2	2	-		2
Total					20

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Radiology- BSc.- 3th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Anatomy 3	1.5	0.5		2
2	Diagnostic Radiology Physics	3	-		3
3	Radiographic methods 2	3	-		3
4	Patient care in ward	1	1		2
5	Record and display of medical images	2	-		2
6	Dosimetry of ionizing radiation	1.5	0.5		2
7	Internship 1	-	2		2
8	Hospital management and organizational behavior	2	-		2
9	Islamic Ethics	2	-		2
Total					20

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Radiology- BSc.- 4th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Professional ethics	1	-		1
2	Medical terminology in Radiology	2	-		2
3	Radiobiology	2	-		2
4	Radiographic methods 3	2	-		2
5	Pathology	2	-		2
6	Radiology with ultrasound in medicine	3	-		3
7	Internship 2	-	2		2
	Physical principles of tomography systems in (CT) scan	2	-		2
8	Cross-Sectional Anatomy	3	-		3
9	Analytic history of Islam	2	-		2
	Total				21

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Radiology- BSc.- 5th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Application of computer in radiology	1	1		2
2	Specific radiography	2	-		2
3	Evaluation of medical images 1	2			2
4	Clinical techniques & aspects of tomographic in (CT) scan	2	-		2
5	Physical principles of MRI systems	2	-		2
6	Preliminary repairs & maintenance of Radiology equipment	1.5	0.5		2
7	Seminar 1	-	1		1
8	Internship 3	-	2		2
9	English for Specific Purpose (ESP)	2	-		2
10	Islamic revolution of Iran	2	-		2
Total					19

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Radiology- BSc.- 6th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Familiarity with the structure and properties of contrast agents in Medical imaging	2	-		2
2	Evaluation of medical images 2	2	-		2
3	Clinical techniques & aspects of radiology in MRI	2	-		2
4	Quality control & assurance in radiology	2	1		3
5	Protection against ionizing radiation in diagnostic radiology wards	2			2
6	Seminar 2	-	1		1
7	Internship 4	-	2		2
8	Islamic civilization & culture of Iran & Islam	2	-		2
9	Population & family planning	2	-		2
10	Thematic interpretation of Quran	2	-		2
Total					20

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Radiology- BSc.- 7th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Field internship 3 (Specific radiography)	-	4		4
2	Field internship 4 (Medical Sonography)	-	4		4
Total		-			8

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Radiology- BSc.- 8th semester

	Subject	Number of Credits			Total credits
		Credit (Theoretical)	Credit (Practical)	Prerequisite	
1	Field internship 1 (CT Scan)	-	4		4
2	Field internship 2 (MRI)	-	4		4
Total		-			8