

## Radiology (Curriculum), Bachelor's Degree

### General Courses:

Course Title	Unit(s)
Two Courses of the Islamic Theoretical Principles*	4
One Course of the Islamic Ethics*	2
One Course of the Islamic Revolution*	2
One Course of the Islamic Civilization & History*	2
One Course of the Basic Islamic Sources*	2
Persian Literature	3
General English	3
Physical Training (1)	1
Physical Training (2)	1
Family Planning	2
Islamic and Iranian Civilization and Culture	2
Computer	2
<b>Total</b>	<b>24</b>

\*: Passing these courses should be in accord with the following table.

	Course	Title	Unit(s)
<b>Islamic  General  Courses</b>	Islamic Theoretical Principles	Islamic Thoughts (1)	2
		Islamic Thoughts (2)	2
		Man in Islam	2
		Social & Political Rights in Islam	2
	Islamic Ethics	Philosophy of Ethics	2
		Islamic Ethics (Basics & concepts)	2
		Life Principles (Practical Ethics)	2
		Islamic Practical Mysticism	2
	Islamic Revolution	Iran's Islamic Revolution	2
		Constitution of the Islamic Republic of Iran	2
		Imam Khomeini's Political Thoughts	2
	Islamic Civilization & History	The History of Islamic Civilization & Culture	2
		Analytic History of Islam	2
		The History of Imamah (Shi'ite Leadership)	2
	Basic Islamic Sources	The Interpretation of The Quran	2
		The Interpretation of Nahj al-Balagha	2
	<b>Total</b>		<b>12</b>

**Basic & Specific Courses in Radiology:**

<b>Course Title</b>	<b>Unit(s)</b>
1. General Physics	3
2. Public Health	1
3. General Mathematics	2
4. Statistics	1
5. Specialized English	2
6. Anatomy 1	2
7. Anatomy 2	2
8. Anatomy 3	2
9. Physiology	2
10. Cellular Biology	2
11. General Pathology	2
12. IT (Basics)	2
13. Application of Computers in Medical Imaging	2
14. Ethics	1
15. Hospital Management and Organizational Behavior	2
16. Medical Terminology in Radiology	1
17. Record and Display of Medical Images	2
18. Physics of Radiations	3
19. Physics of Diagnostic Radiology	3
20. Radiographic Methods 1	3
21. Radiographic Methods 2	3
22. Radiographic Methods 3	2
23. Pathology	2
24. Patient Care in Medical Imaging Departments	2
25. Radiobiology	2
26. Cell and Features of Contrast Agents in Medical Imaging	2
27. Specialized Radiography Methods	2
28. Medical Imaging Assessment 1	2
29. Medical Imaging Assessment 2	2
30. Ultrasound Imaging in Medicine	3
31. Ionizing Radiation Dosimetry	2
32. Sectional Anatomy	3
33. Physical Principles of Computed Tomography Systems (CT Scan)	2
34. Techniques and Clinical Aspects of Computed Tomography (CT scan)	2
35. Physical Principles of MRI Imaging Systems	2
36. Techniques and Clinical Aspects of MRI Imaging	2
37. Quality Assurance (QA) and Quality Control (QC) of Medical Imaging Techniques	3
38. Protection Against Ionizing Radiation in Diagnostic Radiology Sections	2
39. Basics of Repair and Maintenance of Radiology Devices	2
40. Seminar 1	1
41. Seminar 2	1
42. Apprenticeship 1	2
43. Apprenticeship 2	2

44. Apprenticeship 3	2
45. Apprenticeship 4	2
<b>Total</b>	<b>92</b>

#### **Apprenticeship:**

<b>Title</b>	<b>Units</b>
1. Apprenticeship in CT Scan	<b>4</b>
2. Apprenticeship in MRI	<b>4</b>
3. Apprenticeship in Specialized Radiology Methods	<b>4</b>
4. Apprenticeship in Medical Ultrasound	<b>4</b>
<b>Total</b>	<b>16</b>