

## Operating Room Technology (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 Operating Room Technology:

Course Title	Unit(s)
1. Anatomy 1	2
2. Anatomy 2	2
3. Physiology 1	2
4. Physiology 2	1
5. Biochemistry	1
6. Bacteriology and Parasitology	2
7. Pathology and Histology	2
8. Hematology and Blood Transfusion	2
9. Immunology	1
10. Biostatistics	1
11. Research Methodology in Operating Room	2
12. IT in Operating Room (OR)	2
13. Medical Physics, Electricity, and Robot in Operating Room	2
14. General Psychology	2
15. Pharmacology	2
16. Medical Terminology	2
17. Medical English Language	2
18. Mental Health in Operating Room	1
19. Hygiene in Operating Room	2
20. Principles and Clinical Skills	1
21. Principles and Clinical Skills for Circular and Scrub Technicians	3
22. Nutrition in Surgery	2
23. Diet after Surgery	1
24. Operating Room Equipments	2
25. An Introduction to Operating Room Technology	1
26. Internal Diseases and Health Care	4
27. Digestive System, Glands, Nursing Care	2
28. Obstetrics, Urology (Urinary, Genital) Surgery, and Nursing Care	2
29. Thorax, Cardiovascular Surgery, and Nursing Care	3
30. Neurosurgery and Nursing Care	2
31. Orthopedics and Nursing Care	2
32. Ent, Maxillofacial Surgery, Oral and Dental Surgery	2
33. Eye Surgery and Nursing Care	1
34. Pediatrics and Nursing Care	1
35. Plastic Surgery (Skin Burns) and Nursing Care	1
36. Emergency Ward, Trauma, Crisis, Accidents, and Nursing Care	2
37. Anesthesia and Nursing Care	2
38. CPR and ICU Care Principles	2
39. Caring Principles in Recovery Rooms	1
40. Medical Emergencies	1
41. Management in the Operating Room	2
42. Medical Ethics	1
43. Basic Principles in Radiology	1
<b>Total</b>	<b>74</b>

**Apprenticeship:**

<b>Title</b>	<b>Units</b>
44. Clinical Skills	2
45. Behavioral Principles in Operating Room	1
46. Central Sterilization	1
47. Principles and Skills of Surgical Circular Technician's Performance	2
48. Principles and Skills of Surgical Scrub Technician's Performance	2
49. Operating Room Techniques (1)	2
50. Operating Room Techniques (2)	2
51. CPR Methods	1
52. Care Principles in Recovery Rooms	2
53. Operating Room in Emergency Ward	1
54. Management in Operating Room	2
<b>Total</b>	<b>18</b>

**Apprenticeship in the Field:**

<b>Title</b>	<b>Units</b>
55. Apprenticeship in Operating Room (Orthopedia)	2
56. Apprenticeship in Operating Room (Neurosurgery)	2
57. Plastic and Restorative Surgery	1
58. Obstetrics	1
59. Urology (Urinary and Genital) Surgery	1
60. Cardiovascular Surgery	1
61. Ophthalmology	1
62. Maxillofacial Surgery	1
63. Thorax Surgery	1
64. ENT Surgery	1
65. Pediatrics Surgery	1
66. Digestive and Gland Surgery	2
67. Trauma or Transplant	1
<b>Total</b>	<b>16</b>