



## Course description guide in Bachelor of Science in Anesthesiology (Continuous)

### First semester

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Anatomy (1)	2	1.5	0.5	
2	Physiology (1)	2	2		
3	Physics in Anesthesiology	2	1.5	0.5	
4	Microbiology and Sterilization	3	1.5	0.5	
5	Principles of Nursing and Working in the Operating Room	3	2	1	
6	Persian Literature	3	3		
7	Pre-sessional English language course	2	2		
8	Theoretical Foundations of Islamic Courses (1)	2	2		
9	Life skills	1	0.5	0.5	
10	Physical education (1)	1		1	
Total		21 credits			



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#### Second Semester

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Anatomy (2)	2	1.5	0.5	Anatomy 1
2	Physiology (2)	2	2		Physiology 1
3	Principles of Pharmacology		2		Physiology 2
4	Anesthesia Techniques (1)		3	1	Principles of Nursing and Working in the Operating Room
5	Nursing practicum			2	Principles of Nursing and Working in the Operating Room
6	Anesthetic equipment		1.5	0.5	Physics in Anesthesiology
7	General English		3		
8	Theoretical Foundations of Islamic Courses (2)		2		
9	Physical education (2)			1	Physical education (1)
Total			20 credits		



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**Third Semester**

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Anesthesia Techniques (2)	3	3		Anesthesia Techniques (1)
2	Semiology and Physical Examination	2	1.5	0.5	Anatomy (2) and physiology (2)
3	Practicum (1)	4		4	
4	Biochemistry	3	2		
5	Introduction to medical and surgical diseases (1)	4	3		Principles of Pharmacology and Semiology and Physical Examination
6	Medical terminology	2	2		
7	Medical information systems	2	1	1	
8	Islamic Ethics	2	2		
Total		20 credits			



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#### Fourth semester

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Anesthesia Techniques (3)	3	3		Anesthesia Techniques (2)
2	Introduction to medical and surgical diseases (2)	2	2		Introduction to medical and surgical diseases (1)
3	Specific pharmacology	2	2		Principles of Pharmacology
4	Hematology and Blood Transfusion	2	1.5	0.5	Physiology (2)
5	Practicum 2	4		4	Principles of Pharmacology and Semiology and Physical Examination
6	Professional ethics	1	1		
7	Medical emergency (1)	2	1.5	0.5	
8	Islamic History and Civilization in Iran	2	2		
9	Immunology		1		
Total		19 credits			



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**Fifths Semester**

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Anesthesia Techniques (4)	3	3		Anesthesia Techniques (3)
2	Medical emergency (2)	2	2		Medical emergency (1) and Introduction to medical and surgical diseases (2)
3	Research methodology in medical sciences	2	2		
4	Biostatistics	2	1.5	0.5	Medical information systems
5	Population and family planning	4		4	
6	Practicum (3)	1	1		Practicum (2)
7	Academic English	2	1.5	0.5	Medical terminology and general English
8	Iran Islamic Revolution	2	2		
Total		19 credits			



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**Sixth Semester**

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Anesthesia management	1	1		Anesthesia Techniques (3)
2	Principles of Intensive care	3.5	3	0.5	Principle of pharmacology and Introduction to medical and surgical diseases (2)
3	Pain management	2	2		Anesthesia Techniques (4)
4	Post-Anesthesia Care	2	2		Anesthesia Techniques (1)
5	Patient introduction	1	1		Anesthesia Techniques (4)
6	Practicum (4)	4		4	Practicum (3)
7	Islamic History and Civilization	2	2		
8	Thematic Commentary of the Quran	2	2		
9	Mental Health	2	2		
Total		19 credits			



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**Seventh Semester**

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Field Internship (1)	1		4	Practicum (4)
2	Internship in post-anesthesia care	2		2	
3	Internship at the emergency	2		2	
Total		8 credits			

**Eighth Semester**

No	Title	No of credit	Course hours		Prepositions
			Theoretical	Practical	
1	Field Internship (2)	4		4	Field Internship (1)
2	Internship in patient management	1		1	
3	Internship at intensive care	3		3	
Total		8 credits			