



Kashan University of Medical Sciences
The Curriculum of the Bachelor of Science Degree (BSc) of Anesthesia Technology

Semester: 1

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1419120	Anatomy (1)	✓			1.5	0.5		2	
1419122	Physiology (1)	✓			2			2	
1419125	Microbiology and Sterilization	✓			1.5	0.5		2	
1419129	Medical Terminology		✓		2			2	
1419135	Principles of nursing and working in the operating room		✓		1.5	0.5		2	
1419127	Immunology	✓			1			1	
1419126	Biochemistry	✓			1			1	
1010201	Persian literature			✓	3			3	
1419130	Applications of computer			✓	2	1		3	
1010202	Pre-university English			✓	2			2	
1010203	Sport and fitness (1)			✓		1		1	
Total Credits of the Semester					17.5	3.5		20	



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Semester: 2

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1419121	Anatomy (2)	✓			1.5	0.5		2	Anatomy 1
1419123	Physiology (2)	✓			2			2	Physiology 1
1010101	Islamic Thought (1)			✓	2			2	
1419124	Physics in Anesthesia	✓			2			2	
1419142	Principles of Anesthesiology		✓		3			3	Anatomy 1, Physiology 1, Physics in Anesthesia , Principles of Nursing and work in the operating room
1010103	Islamic Ethics			✓	2			2	
1419152	Nursing Practicum	✓					2	2	Principles of Nursing and work in the operating room, microbiology And sterilization
1419108	Basic English Language			✓	3			3	
1010106	Introduction To Islamic Resources			✓	2			2	
Total Credits of the Semester					19.5	0.5		20	



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Semester: 3

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1419134	First aid principles			✓	1.5	0.5		2	Anatomy 2, Physiology 2
1419153	Practicum 1		✓		4			4	Principles of Anesthesiology
1419133	Basic Principles Of Pharmacology	✓			2			2	Physiology 1
1419143	Anesthesia 1		✓		4			4	Principles of Anesthesiology
1419128	Psychology			✓	2			2	
1419132	Semiotics and Clinical Examinations		✓		1.5	0.5		2	Anatomy 2, Physiology 2
1010204	Sport and fitness (2)			✓	2			2	Sport and fitness (1)
1010102	Islamic Thought 2			✓	2			2	
Total Credits of the Semester					19	1		20	



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Semester: 4

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1419140	English For Specific Purposes			✓	1.5	0.5		2	Basic English language, Medical Terminology
1419137	Hematology and Blood Transfusion		✓		4			4	Physiology 2
1419154	Practicum2	✓			2			2	Practicum 1, anesthesia 1
1419136	Physiopathology		✓		4			4	Anatomy 2, Physiology 2, Semiotics and clinical examinations, basic principles of pharmacology
1419151	Professional Ethics in Anesthesia			✓	2			2	
1010105	History of Islam		✓		1.5	0.5		2	
1419150	Advanced Pharmacology			✓	2			2	basic principles of pharmacology
				✓	2			2	
Total Credits of the Semester					19	1		20	



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Semester: 5

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1419149	Introduction To Medical And Surgical Diseases			✓	3			3	Physiopathology
1419144	Anesthesia Methods 2			✓	4			4	Anesthesia 1
1010205	Population and Family Planning	✓			2			2	
1419155	Practicum3			✓			4	4	Practicum 1, anesthesia 2
1419138	Medical Emergencies			✓	1.5	0.5		2	Physiopathology, First aid principles
1419141	Management of Anesthesia			✓	1			1	
1419131	Biostatistics and Research Methodology		✓		2.5	0.5		3	
Total Credits of the Semester					14	1	4	19	



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Semester: ۹

Course Code / Lesson No.	Course Title	Course Type			Credits			Prerequisite	
		Core	Major	Complementary	Theoretical	Practical	Practicum		Total
1419147	Principles of Critical Care	✓			3			3	Physiopathology
1419156	Practicum 4	✓					4	4	Anesthesia 3, Practicum 3
1419146	Post Anesthesia Care Unit	✓			2			2	Anesthesia 3
1419145	Anesthesia Methods 3	✓			4			4	Practicum 3, anesthesia 2
1010104	Islamic Revolution			✓	2			2	
1419148	Principles and Methods of Pain Management	✓			2			2	Principles of Anesthesiology
1010107	Culture and Civilization of Islam And Iran			✓	2			2	

Total Credits		15		4	19	
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Semester: 7

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1419160	Internship1 (Practicum In Anesthesia, Practicum of PACU, Practicum of ICU)			✓			8	8	All practical and theoretical courses
Total Credits of the Semester							8	8	



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Semester: 8

Course Code / Lesson No.	Course Title	Course Type			Credits				Prerequisite
		Core	Major	Complementary	Theoretical	Practical	Practicum	Total	
1419161	Internship2(Practicum in anesthesia, Practicum of emergency, and Practicum in the field of pain service)			✓			8	8	All practical and theoretical courses
Total Credits of the Semester							8	8	

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