

BS Medical Technology**Perfusion Sciences (PS)**

Course Title	Course Name	Credit Hrs	Pre-Req
Semester 1			
ENG-301	ENGLISH FOUNDATION	2	
SOC-303	SOCIOLOGY BASIC	2	
ANAT-305	ANATOMY	3	
MEDTR-307	MEDICAL TERMINOLOGY	2	
PHYS-309	PHYSIOLOGY	3	
ISLAM-311	ISLAMİYAT	2	
		14	
Semester 2			
MICRO-302	MICROBIOLOGY & INFECTION CONTROL	3	
BIO-304	BIOCHEMISTRY	3	
PSYCH-306	PSYCHOLOGY BASIC	2	
CS-308	COMPUTER SKILLS	2	
BMT(PS)310	PERFUSION TERMINOLOGIES	1	
BMT(PS)312	OPERATION ROOM STANDARDS	1	
PAK-STD-314	PAKISTAN STUDIES	2	
		14	
Semester 3			
PHARM-401	PHARMACOLOGY	3	
BMT(PS)403	PERFUSION MODULE-I	3	
BMT(PS)405	CARDIOVASCULAR ANATOMY	2	
BMT(PS)407	CARDIOVASCULAR PHYSIOLOGY	3	
BMT(PS)409	PRINCIPLES OF LABORATORY AND ETHICS	2	
BMT(PS)411	CLINICAL PRACTICUM PERFUSION SCIENCES	6	

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Semester 4			
BMT(PS)402	PERFUSION MODULE-II	3	
BMT(PS)404	PERFUSION PHARMACOLOGY & IMMUNOLOGY	3	
BMT(PS)406	PATHOPHYSIOLOGY & SURGICAL REPAIR	3	
BMT(PS)408	PRINCIPLES OF LABORATORY ANALYSIS & SAFETY	2	
BMT(PS)410	CLINICAL PRACTICUM PERFUSION SCIENCE	6	
		17	
Semester 5			
RMP-501	RESEARCH METHODS AND PRINCIPLES-I	3	
BMT(PS)503	PERFUSION ROTATION	12	
BMT(PS)505	CLINICAL PRACTICUM PERFUSION SCIENCE	6	
		21	
Semester 6			
RMP-502	RESEARCH METHODS AND PRINCIPLES-II	3	
DM-504	DIAGNOSTIC MICRO-I	3	
BMT(PS)506	PERFUSION PHARMACOLOGY-II	3	
BMT(PS)508	INTRODUCTION TO HEMATOLOGY	3	
BMT(PS)510	SPECIAL EQUIPMENT PERFUSION SCIENCES	2	
BMT(PS)512	CLINICAL PRACTICUM PERFUSION SCIENCE	6	
		20	
Semester 7			
Biostat-601	BIostatISTICS	3	
CD-603	CLINICAL DIAGNOSTICS	1	
BMT(PS)605	PEDIATRIC CARDIOPULMONARY BYPASS	3	
BMT(PS)607	BLOOD CONSERVATION IN PERFUSION	3	
BMT(PS)609	PATHOPHYSIOLOGY & SURGICAL REPAIR II	3	
BMT(PS)611	CLINICAL PRACTICUM PERFUSION SCIENCE	6	

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Semester 8			
HM-602	HEALTH CARE MANAGEMENT	3	
PAPS-604	PROJECT ASSIGNMENT	3	
BMT(PS)606	CLINICAL PRACTICUMPERFUSION SCIENCE	6	
		12	
		136	