

BS RENAL DIALYSIS TECHNOLOGY

CURRICULUM

Year 1: Semester I

Subject / Category	Course Code	Course Name	Cr. Hrs
General Education	CHEM 201 / PHYS 201	Chemistry / Physics	03 (02+01)
General Education	CSAI 201	Computer Science and Integrated Artificial Intelligence in Medical Technology	03 (02+01)
General Education	ENG-F 211	English Foundation	03
General Education	ISL 201 / ETHIC 201	Islamiat / Ethics	02
General Education	ICP 201	Ideology and Constitution of Pakistan	02
Interdisciplinary Sciences	ANAT 201	Anatomy	03
Interdisciplinary Sciences	PIO 201	Physiology	03
Total GEC			13
Total Interdisciplinary Sciences			06
Total Credit Hours – Semester I			19

Year 1: Semester II

Subject / Category	Course Code	Course Name	Cr. Hrs
General Education	PSY 102	Psychology	02
General Education	HIS 102 / PHIL 102	History / Philosophy	02
General Education	MATH 212	Mathematics	03
Interdisciplinary Sciences	BCHEM 202	Biochemistry	03
Interdisciplinary Sciences	PHARM 202	Pharmacology	03
General Education	FEHM 212	Fehm-e-Quran Course – I	01
General Education	FAEC 202	First Aid Course	02
General Education	SOC 212	Sociology – I	01
Total GEC			11
Total Interdisciplinary Sciences			06
Total Credit Hours – Semester II			17

Year 2: Semester III

Subject / Category	Course Code	Course Name	Cr. Hrs
General Education	BSTAT 323	Biostatistics	03
General Education	ENTP 203	Entrepreneurial Strategy	02
General Education	ENG-W 323	Expository Writing	03
Interdisciplinary Sciences	MICRO 203	Microbiology and Infection Control	03
Major	RD-GP 203	General Pathology	03
Major	RD-RAP 303	Renal Anatomy and Physiology	03 (02+01)

General Education	FEHM 323	Fehm-e-Quran Course – II	01
General Education	SOC 323	Sociology – II	01
Total GEC			10
Total Interdisciplinary Sciences			03
Total Major			06
Total Credit Hours – Semester III			19

Year 2: Semester IV

Subject / Category	Course Code	Course Name	Cr. Hrs
General Education	CIVCM 204	Civics and Community Engagement	02
Major	RD-PRD 304	Principles of Renal Dialysis	03
Major	RD-DA 304	Dialysis Adequacy	03
Major	RD-HEM 304	Hematology	03
Major	RD-CP 314	Renal Dialysis – Clinical Practicum I	03
Major	RD-RMP 304	Research Methods and Principles	03
Total GEC			02
Total Major			15
Total Credit Hours – Semester IV			17

Year 3: Semester V

Subject / Category	Course Code	Course Name	Cr. Hrs
Minor	RD-CNDT 305	Clinical Nutrition and Diet Therapy	03
Minor	RD-VAHP 305	Vascular Access and Hemodialysis Procedure	03
Minor	RD-OTAM 305	Oxygen Therapy and Airway Management	03
Minor	RD-BFT 305	Body Fluids and Transfusion of Blood Products	03
Minor	RD-RPM 405	Renal Pathology and Management	03
Minor	RD-CP 425	Renal Dialysis – Clinical Practicum II	03
Total Minor			03
Total Major			15
Total Credit Hours – Semester V			18

Year 3: Semester VI

Subject / Category	Course Code	Course Name	Cr. Hrs
Minor	RD-PD 406	Peritoneal Dialysis	03
Minor	RD-DIPE 406	Dialysis in Pediatric and Elderly Patients	03
Minor	RD-SD 506	Specialized Dialysis	03
Minor	RD-ACD 406	Acute Complications During Dialysis	03
Minor	RD-CP 436	Renal Dialysis – Clinical Practicum III	04
Total Minor			03
Total Major			13
Total Credit Hours – Semester VI			16

Year 4: Semester VII

Subject / Category	Course Code	Course Name	Cr. Hrs
Minor	RD-CCDP 407	Chronic Complications During Dialysis and Pharmacological Management	03
Minor	RD-ETH 407	Health Care Ethics	03
Minor	RD-REM 507	Renal Emergency	03
Minor	RD-BPT 407	Blood Products Transfusion in Dialysis Patients	03
Minor	RD-CP 547	Renal Dialysis – Clinical Practicum IV	04
Field Experience / Internship	RD-INTE 507	Internship	03
Total Minor			03
Total Major			13
Total Field Experience / Internship			03
Total Credit Hours – Semester VII			19

Year 4: Semester VIII

Subject / Category	Course Code	Course Name	Cr. Hrs
Minor	RD-LHM 508	Leadership and Hospital Management	03
Minor	RD-RDE 408	Renal Disease Epidemiology	03
Minor	RD-PRT 508	Principle of Renal Transplantation	03
Minor	RD-CP 558	Renal Dialysis – Clinical Practicum V	04
Capstone Project	RD-CP 508	Capstone Project	03
Total Minor			03
Total Major			10
Total Capstone Project			03
Total Credit Hours – Semester VIII			16

CREDIT HOURS SUMMARY

Category	Credit Hours
General Education Courses (GEC) – 17 Courses	36
Interdisciplinary Sciences – 5 Courses	15
Minor (Technology Related) – 1 Minor, 4 Courses	12
Major (Technology Related) – 23 Courses	72
Field Experience / Internship – 1 Course	03
Capstone Project – 1 Course	03
TOTAL CREDIT HOURS	141