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
Major	RD-VAHP 305	Vascular Access and Hemodialysis Procedure	03
Major	RD-OTAM 305	Oxygen Therapy and Airway Management	03
Major	RD-BFT 305	Body Fluids and Transfusion of Blood Products	03
Major	RD-RPM 405	Renal Pathology and Management	03
Major	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
Major	RD-DIPE 406	Dialysis in Pediatric and Elderly Patients	03
Major	RD-SD 506	Specialized Dialysis	03
Major	RD-ACD 406	Acute Complications During Dialysis	03
Major	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
Major	RD-ETH 407	Health Care Ethics	03
Major	RD-REM 507	Renal Emergency	03
Major	RD-BPT 407	Blood Products Transfusion in Dialysis Patients	03
Major	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
Major	RD-RDE 408	Renal Disease Epidemiology	03
Major	RD-PRT 508	Principle of Renal Transplantation	03
Major	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**