

BS Medical Imaging Technology (AHS)

SEMESTER I			
S.N.	COURSE	CREDIT HOURS	CATEGORY
MIT-501	<u>Human Anatomy</u>	2	Major: AHS Common Core
MIT-501-L	<u>Human Anatomy Lab</u>	1	Major: AHS Common Core
MIT-502	<u>Human Physiology</u>	2	Major: AHS Common Core
MIT-502-L	<u>Human Physiology Lab</u>	1	Major: AHS Common Core
MIT-503	<u>Introduction to Medical Biochemistry</u>	1	Major: AHS Common Core
MIT-503-L	<u>Introduction to Medical Biochemistry Lab</u>	1	Major: AHS Common Core
BIO-501	Fundamental of Biology	2	General Education
BIO-501-L	Fundamental of Biology Lab	1	General Education
ENG-501	Functional English	3	General Education
ICT-501	Applications of Information and Communication Technologies (ICT)	2	General Education
ICT-501-L	Applications of Information and Communication Technologies (ICT) Lab	1	General Education
Total Credit Hours = 17			

SEMESTER II			
S.N.	COURSE	CREDIT HOURS	CATEGORY
MIT-504	<u>Introduction to Medical Imaging Technology</u>	2	Major: AHS Common Core
MIT-505	First Aid & Emergency Care	1	Major: AHS Common Core
MIT-505-L	First Aid & Emergency Care Lab	1	Major: AHS Common Core
MIT-506	Introduction to Medical Equipment & Technology	2	Major: AHS Common Core
MIT-506-L	Introduction to Medical Equipment & Technology Lab	1	Major: AHS Common Core
MIT-507	<u>Introduction to Allied Health Sciences I</u>	2	Major: AHS Common Core
MIT-508	Patient Safety & Infection Control	1	Major: AHS Common Core
MIT-508-L	Patient Safety & Infection Control Lab	1	Major: AHS Common Core
SOC-500	Expository Writing	3	General Education
ISL-501	Introduction to Sociology	2	General Education

ENG-502	Islamic Studies (Religious Edu / Ethics for non-Muslim students)	2	General Education
Total Credit Hours = 18			

SEMESTER III			
S.N.	COURSE	CREDIT HOURS	CATEGORY
MIT-509	Introduction to Allied Health Sciences II	2	Major: AHS Common Core
MIT-510	<u>General Pathology</u>	2	Major: AHS Common Core
MIT-510-L	<u>General Pathology Lab</u>	1	Major: AHS Common Core
MIT-511	<u>Introduction to Public Health and Epidemiology</u>	3	Major: AHS Common Core
QRE-501	Quantitative Reasoning I	3	General Education
ARB-500	Arabic Language	2	General Education
CCE-501	Civics & Community Engagement	2	General Education
ICP-501	Ideology & Constitution of Pakistan	2	General Education
UHQ-501	Understanding of Holy Quran I	1 (0-1)	General Education
Total Credit Hours = 18			

SEMESTER IV			
S.N.	COURSE	CREDIT HOURS	CATEGORY
MIT-512	<u>General Pharmacology</u>	2	Major: AHS Common Core
MIT-512-L	<u>General Pharmacology Lab</u>	1	Major: AHS Common Core
UHQ-502	Understanding of Holy Quran II	1 (0-1)	General Education
QRE-502	Quantitative Reasoning II	3	General Education
MIT-513	Healthcare Systems & Policies	2	Major: AHS Common Core
MIT-514	<u>Healthcare Marketing & Management</u>	2	Major: AHS Common Core
MIT-515	Introduction to Nursing Practice	2	Major: AHS Common Core
MIT-515-L	Introduction to Nursing Practice Lab	1	Major: AHS Common Core
ENT-501	Entrepreneurship	2	General Education
PKS-501	Pakistan Studies	2	General Education
Total Credit Hours = 18			

SEMESTER V

S.N.	COURSE	CREDIT HOURS	CATEGORY
MIT-601	<u>Radiation Sciences & Technology</u>	1	Major: Domain Core
MIT-601-L	<u>Radiation Sciences & Technology Lab</u>	1	Major: Domain Core
MIT-602	<u>General Radiology & Positioning Techniques</u>	1	Major: Domain Core
MIT-602-L	<u>General Radiology & Positioning Techniques Lab</u>	1	Major: Domain Core
MIT-603	Fluoroscopy & Radiological Procedures	2	Major: Domain Core
MIT-603-L	Fluoroscopy & Radiological Procedures Lab	1	Major: Domain Core
MIT-604	Mammography & Special Radiological Techniques	2	Major: Domain Core
MIT-604-L	Mammography & Special Radiological Techniques Lab	1	Major: Domain Core
MIT-605	Radiobiology & Radiation Protection	2	Major: Domain Core
MIT-606	Supervised Clinical Practice – I:X-Ray, Fluoroscopy & Mammography	3 (0-3)	Major: Domain Core
Total Credit Hours = 15			

SEMESTER VI			
S.N.	COURSE	CREDIT HOURS	CATEGORY
MIT-607	Anatomy for Diagnostic Imaging	2	Major: Domain Core
MIT-607-L	Anatomy for Diagnostic Imaging Lab	1	Major: Domain Core
MIT-608	Computed & Digital Radiography	2	Major: Domain Core
MIT-609	<u>Computed Tomography-I</u>	1	Major: Domain Core
MIT-609-L	<u>Computed Tomography-I Lab</u>	1	Major: Domain Core
MIT-610	<u>Magnetic Resonance Imaging - I</u>	1	Major: Domain Core
MIT-610-L	<u>Magnetic Resonance Imaging - I Lab</u>	1	Major: Domain Core
MIT-611	Supervised Clinical Practice – II: CR & DR, CT, MRI	3 (0-3)	Major: Domain Core
BST-601	Biostatistics	2	Interdisciplinary
BST-601-L	Biostatistics <u>Lab</u>	1	Interdisciplinary
Total Credit Hours = 15			

SEMESTER VII			
S.N.	COURSE	CREDIT HOURS	CATEGORY
MIT-612	Computed Tomography - II	1	Major: Domain Core
MIT-612-L	Computed Tomography – II Lab	1	Major: Domain Core
MIT-613	Magnetic Resonance Imaging - II	1	Major: Domain Core
MIT-613-L	Magnetic Resonance Imaging – II Lab	1	Major: Domain Core
MIT-614	Clinical Sonography	2	Major: Domain Core
MIT-614-L	Clinical Sonography Lab	1	Major: Domain Core
AHS-501	Scientific Writing & Research Methods	3	Interdisciplinary
MIT-615	Supervised Clinical Practice – III: CT, MRI & Ultrasound	3 (0-3)	Major: Domain Core
AHS-502	General Surgery	3	Interdisciplinary

Total Credit Hours = 16

SEMESTER VIII			
S.N.	COURSE	CREDIT HOURS	CATEGORY
MIT-615	Clinical Pathology and Radiological Presentation	2	Major: Domain Core
MIT-615-L	Clinical Pathology and Radiological Presentation Lab	1	Major: Domain Core
MIT-616	Therapeutic Radiology	1	Major: Domain Core
MIT-616-L	Therapeutic Radiology Lab	1	Major: Domain Core
MIT-617	Nuclear Medicine	1	Major: Domain Core
MIT-617-L	Nuclear Medicine Lab	1	Major: Domain Core
MIT-618	Interventional Radiology	1	Major: Domain Core
MIT-618-L	Interventional Radiology Lab	1	Major: Domain Core
MIT-619	Supervised Clinical Practice IV: Nuclear Medicine, Interventional & Therapeutic Radiology,	3 (0-3)	Major: Domain Core
MIT-620	Capstone Project	3	Capstone
AIH-601	Artificial Intelligence in Health Care	2	Interdisciplinary
AIH-601-L	Artificial Intelligence in Health Care Lab	1	Interdisciplinary
Total Credit Hours = 18			