

BSc Radiological Sciences
Course phases

SEMESTER (1)

Course Title	Credit Hours
Scientific English (1) *	2
Arabic Language	2
Islamic Studies	2
Sudanese Studies	2
Biology	5
General Chemistry	2
General Physics (1) *	3
Basic principles of Computer(1) *	3
TOTAL CREDITS	21

SEMESTER (2)

Course Title	Credit Hours
Scientific English (2) *	3
Biochemistry	2
General Physics (2) ■	3
Basic principles of Computer(2) *	4
Introduction to Community Medicine	2
Human Anatomy (1)	6
Fundamentals of Radiology	4
TOTAL CREDITS	24

SEMESTER (3)

Course Title	Credit Hours
Physiology (2) ▣	5
Radiographic Techniques (1) *	5
Radiographic Anatomy & Related Positioning(1) *	2
Radiographic Photography & Processing (1) *	5
Diagnostic Equipment & Maintenance (1) *	5
Radiation Protection	3
Patient Care & Medical Ethics	2
TOTAL CREDITS	27

SEMESTER (4)

Course Title	Credit Hours
Scientific English (3) ▣	2
Basic principles of Computer(3) ▣	2
Nursing Skills & First Aids	3
Radiation Physics	3
Radiation Biology	3
Physiology (1) *	5
Medical Terminology	2
Human Anatomy (2)	6
TOTAL CREDITS	26

SEMESTER (5)

Course Title	Credit Hours
Radiographic Techniques (2) ▣	5
Radiographic Anatomy & Related Positioning (2) ▣	2
Radiographic Photography & Processing (2) ▣	5
Diagnostic Equipment & Maintenance (2) ▣	5
Cross Sectional Anatomy	4
General Pathology (1)*	3
Clinical Practice (1) *	4
TOTAL CREDITS	28

SEMESTER (6)

Course Title	Credit Hours
Advanced Radiographic Techniques	5
Advanced Radiographic Anatomy & Related Positioning	2
Computerized Tomography (1) *	3
Medical Ultrasound Imaging (1) *	3
Magnetic Resonance Imaging (1) *	3
Digital Image Acquisition & Display	2
General Pathology (2) ▣	2
Clinical Practice (2) *	4
TOTAL CREDITS	24

SEMESTER (7)

Course Title	Credit Hours
Interventional Radiology	3
Computerized Tomography (2) ■	4
Magnetic Resonance Imaging (2) ■	4
Medical Ultrasound Imaging (2) ■	4
Biostatistics & Research Methodology	3
Nuclear Medicine Imaging (1)	2
Clinical Practice (3) *	6
TOTAL CREDITS	26

SEMESTER(8)

Course Title	Credit Hours
Thesis	6
Radiographic Pathology	4
Nuclear Medicine Imaging (2) ■	2
Direct Study	2
Quality Management in Diagnostic Radiology	4
Clinical Practice (4) ■	6
TOTAL CREDITS	24