

# Ultrasound

## Program

College of Medicine

Master of Radiological & Imaging Sciences

Clinically oriented advanced training in ultrasound imaging. Students in this track spend daily rotations at the King Faisal Specialist Hospital & Research Centre's Department of Radiology, where they are engaged in providing ultrasound imaging services under the supervision of certified practitioners. While acquiring their advanced clinical skills in ultrasound, students are taught in the didactic aspects of medical diagnostic imaging and its basic sciences at the College of Medicine.

### Credit Hours required for a Master of Science in Radiological & Imaging Sciences

Type of Courses	Compulsory	Elective	Total
Core	24	-	24
Subject	12	-	12
Research/Capstone Project	6	-	6
<b>Total</b>	<b>42</b>	<b>-</b>	<b>42</b>

## Core Courses

Item #	Title	Credits
REC 502	Biostatistics	3
MRS 502	Radiological Research	3
MRS 503	Ethics in Radiology	2
MRS 504	Radiological and Imaging Sciences I	3
MRS 505	Radiological and Imaging Sciences II	3
MRS 506	Topics in Medical Imaging	3
MRS 509	RIS Seminar	1
MRS 518	Ultrasound Physics	3
MRS 519	Sonography Cross-Sectional Anatomy	3

## Subject Courses

Item #	Title	Credits
MRS 520	Abdominal Sonography	3
MRS 521	Pelvic Sonography	3
MRS 522	Obstetrical Sonography	3
MRS 523	Clinical Sonography	3
MRS 525	Musculoskeletal, Neonatal & Pediatric Sonography	3
MRS 526	Sonographic Vascular & Postoperative Imaging	3
MRS 527	Echocardiography Imaging	3

## Res/Capstone Project

Item #	Title	Credits
MRS 601	Research/Capstone Project	6

## Semester 1

Item #	Title	Credits
REC 502	Biostatistics	3
MRS 503	Ethics in Radiology	2
MRS 504	Radiological and Imaging Sciences I	3
MRS 506	Topics in Medical Imaging	3

## Semester 2

Item #	Title	Credits
MRS 505	Radiological and Imaging Sciences II	3
MRS 518	Ultrasound Physics	3
MRS 519	Sonography Cross-Sectional Anatomy	3

## Semester 3

Item #	Title	Credits
MRS 520	Abdominal Sonography	3
MRS 523	Clinical Sonography	3
MRS 525	Musculoskeletal, Neonatal & Pediatric Sonography	3
MRS 526	Sonographic Vascular & Postoperative Imaging	3

## Semester 4

Item #	Title	Credits
MRS 502	Radiological Research	3
MRS 509	RIS Seminar	1
MRS 601	Research/Capstone Project	6