

MAGNETIC RESONANCE IMAGING: One Year Concentration

CRN	Semester I	
70691	RSM 321 Patient Care & Services in Diagnostic Imaging	2
61472	RSM 400 MRI Physics & Instrumentation I	3
70671	RSM 401 Cross-Sectional Anatomy I	2
61473	RSM 411 MRI Patient Care & Safety	2
61474	RSM 412 Clinical MRI I	6
61475	RSM 431 MRI Procedures I	3
	Semester I Total	18
Semester II		
80246	RSM 402 Cross-Sectional Anatomy II	2
81254	RSM 403 MRI Physics and Instrumentation II	1
61235	RSM 413 Clinical MRI II	6
81255	RSM 415 MRI Pathology	1
61236	RSM 432 MRI Procedures II	3
80233	RSM 451 Imaging Informatics	1
81641	RSM 498 MRI Special Topics	1
	Semester II Total	15
Semester III		
60487	RSM 414 Clinical MRI III	8
70739	RSM 473 MRI Review Seminar	2
70834	RSM 474 MRI Advanced Scanning Seminar	1
	Semester III Total	11
	Program Total	44

Two Year Concentration: MRI/Cardiac Sonography

Semester I	
RSM 321 Patient Care & Services in Diagnostic Imaging	2
RSM 400 MRI Physics & Instrumentation I	3
RSM 401 Cross-Sectional Anatomy I	2
RSM 411 MRI Patient Care & Safety	2
RSM 412 Clinical MRI I	6
RSM 431 MRI Procedures I	3
Semester I Total	18
Semester II	
RSM 402 Cross-Sectional Anatomy II	2
RSM 403 MRI Physics and Instrumentation II	1
RSM 413 Clinical MRI II	6
RSM 415 MRI Pathology	1
RSM 432 MRI Procedures II	3
RSM 451 Imaging Informatics	1
RSM 498 MRI Special Topics	1
Semester II Total	15
Semester III	
RSM 414 Clinical MRI III	8
RSM 473 MRI Review Seminar	2
RSM 474 MRI Advanced Scanning Seminar	1
Semester III Total	11

Semester IV	
RSCS 302 Noninvasive Testing Principles & Proc.	1
RSCS 323 Patient Care & Service in Diagnostic Imaging for second year students with non-ultrasound concentration	1
RSCS 311 Cardiovascular Physiology	2
RSCS 331 Cardiac Procedures I	2
RSCS 351 Cardiac Principles I	3
RSCS 400 Ultrasound Physics I	2
RSCS 411 Clinical Cardiac I	6
RSCS 491 Special Topics in Cardiac Sonography	1
Semester IV Total	18
Semester V	
RSCS 312 Cardiovascular Pathophysiology	2
RSCS 332 Cardiac Procedures II	2
RSCS 352 Cardiac Principles II	3
RSCS 403 Ultrasound Physics II	2
RSCS 412 Clinical Cardiac II	6
RSCS 492 Special Topics in Cardiac Sonography	1
Semester V Total	16
Semester VI	
RSCS 413 Clinical Cardiac III	8
RSCS 481 Cardiac Review Seminar	2
Semester VI Total	10
Program Total	88

**Two Year Concentration: MRI/Abdomen-Extended & OB/GYN
(General) Sonography**

Semester I	
RSM 321 Patient Care & Services in Diagnostic Imaging	2
RSM 400 MRI Physics & Instrumentation I	3
RSM 401 Cross-Sectional Anatomy I	2
RSM 411 MRI Patient Care & Safety	2
RSM 412 Clinical MRI I	6
RSM 431 MRI Procedures I	3
Semester I Total	18
Semester II	
RSM 402 Cross-Sectional Anatomy II	2
RSM 403 MRI Physics and Instrumentation II	1
RSM 413 Clinical MRI II	6
RSM 415 MRI Pathology	1
RSM 432 MRI Procedures II	3
RSM 451 Imaging Informatics	1
RSM 498 MRI Special Topics	1
Semester II Total	15
Semester III	
RSM 414 Clinical MRI III	8
RSM 473 MRI Review Seminar	2
RSM 474 MRI Advanced Scanning Seminar	1
Semester III Total	11

Semester IV	
RSS 323 Patient Care & Services for second year students with non-ultrasound concentration	1
RSS 400 Ultrasound Physics I	2
RSS 402 Abdominal Sonography I	2
RSS 404 Pelvic Sonography	2
RSS 412 Clinical Sonography I	6
RSS 415 Sonography Procedures I	2
Semester IV Total	15
Semester V	
RSS 403 Ultrasound Physics II	2
RSS 405 Obstetrical Sonography	3
RSS 413 Clinical Sonography II	6
RSS 416 High Resolution Sonography	2
RSS 417 Sonography Procedures II	2
RSS 422 Abdominal Sonography II	2
RSS 498 Special Topics in General Sonography	2
Semester V Total	19
Semester VI	
RSS 408 Sonography Review Seminar	2
RSS 414 Clinical Sonography III	8
Semester VI Total	10
Program Total	88

Two Year Concentration: MRI/Nuclear Medicine

Semester I	
RSM 321 Patient Care & Services in Diagnostic Imaging	2
RSM 400 MRI Physics & Instrumentation I	3
RSM 401 Cross-Sectional Anatomy I	2
RSM 411 MRI Patient Care & Safety	2
RSM 412 Clinical MRI I	6
RSM 431 MRI Procedures I	3
Semester I Total	18
Semester II	
RSM 402 Cross-Sectional Anatomy II	2
RSM 403 MRI Physics and Instrumentation II	1
RSM 413 Clinical MRI II	6
RSM 415 MRI Pathology	1
RSM 432 MRI Procedures II	3
RSM 451 Imaging Informatics	1
RSM 498 MRI Special Topics	1
Semester II Total	15
Semester III	
RSM 414 Clinical MRI III	8
RSM 473 MRI Review Seminar	2
RSM 474 MRI Advanced Scanning Seminar	1
Semester III Total	11

Semester IV	
RSN 400 Medical Nuclear Physics	3
RSN 410 Medical Radiobiology	2
RSN 430 Nuclear Medicine Instrumentation	3
RSN 455 Nuclear Medicine Procedures I	3
RSN 461 Nuclear Medicine Lab I	1
RSN 470 Clinical Nuclear Medicine I	6
Semester IV Total	18
Semester V	
RSN 420 Radiation Protection	3
RSN 440 Health Sciences Research	1
RSN 456 Nuclear Medicine Procedures II	3
RSN 460 Radiochemistry & Radiopharmaceuticals	3
RSN 462 Nuclear Medicine Lab II	1
RSN 471 Clinical Nuclear Medicine II	6
Semester V Total	17
Semester VI	
RSN 457 Nuclear Medicine Procedures III	2
RSN 458 Nuclear Medicine Advanced Procedures	2
RSN 472 Clinical Nuclear Medicine III	8
RSN 499 Nuclear Medicine Review Seminar	2
Semester VI Total	14
Program Total	93

Two Year Concentration: MRI/Radiation Therapy

Semester I	
RSM 321 Patient Care & Services in Diagnostic Imaging	2
RSM 400 MRI Physics & Instrumentation I	3
RSM 401 Cross-Sectional Anatomy I	2
RSM 411 MRI Patient Care & Safety	2
RSM 412 Clinical MRI I	6
RSM 431 MRI Procedures I	3
Semester I Total	18
Semester II	
RSM 402 Cross-Sectional Anatomy II	2
RSM 403 MRI Physics and Instrumentation II	1
RSM 413 Clinical MRI II	6
RSM 415 MRI Pathology	1
RSM 432 MRI Procedures II	3
RSM 451 Imaging Informatics	1
RSM 498 MRI Special Topics	1
Semester II Total	15
Semester III	
RSM 414 Clinical MRI III	8
RSM 473 MRI Review Seminar	2
RSM 474 Advanced Scanning Seminar	1
Semester III Total	11

Semester IV	
RST 322 Patient Care in Radiation Oncology	2
RST 401 Cross-Sectional Anatomy I	2
RST 409 Radiation Therapy Principles & Procedures I	3
RST 409L Radiation Therapy Lab I	1
RST 412 Clinical Radiation Therapy I	6
RST 435 Radiation Therapy Physics I	2
RST 439 Radiation Protection	1
RST 440 Introduction to Radiobiology	2
Semester IV Total	19
Semester V	
RST 402 Cross-Sectional Anatomy II	2
RST 413 Clinical Radiation Therapy II	6
RST 415 Clinical Radiation Oncology	2
RST 416 Principles of Radiation Dosimetry	2
RST 419 Radiation Therapy Principles & Procedures II	3
RST 436 Radiation Therapy Physics II	3
Semester V Total	18
Semester VI	
RST 414 Clinical Radiation Therapy III	10
RST 429 Rad Therapy Principles & Procedures III	2
RST 473 Radiation Therapy Review Seminar	2
Semester VI Total	14
Program Total	95

Two Year Concentration: MRI/Radiography

Semester I	
RSM 321 Patient Care & Services in Diagnostic Imaging	2
RSM 400 MRI Physics & Instrumentation I	3
RSM 401 Cross-Sectional Anatomy I	2
RSM 411 MRI Patient Care & Safety	2
RSM 412 Clinical MRI I	6
RSM 431 MRI Procedures I	3
Semester I Total	18
Semester II	
RSM 402 Cross-Sectional Anatomy II	2
RSM 403 MRI Physics and Instrumentation II	1
RSM 413 Clinical MRI II	6
RSM 415 MRI Pathology	1
RSM 432 MRI Procedures II	3
RSM 451 Imaging Informatics	1
RSM 498 MRI Special Topics	1
Semester II Total	15
Semester III	
RSM 414 Clinical MRI III	8
RSM 473 MRI Review Seminar	2
RSM 474 MRI Advanced Scanning Seminar	1
Semester III Total	11
Semester IV	

RSR 331 Radiographic Procedures I	2
RSR 33L Radiographic Procedures I Lab	1
RSR 341 Radiography Physics & Instrumentation	2
RSR 353 Radiographic Imaging Principles I	2
RSR 361 Image Analysis I	2
RSR 371 Clinical Radiography I	4
Semester IV Total	13
Semester V	
RSR 313 Radiobiology & Health Physics	2
RSR 332 Radiographic Procedures II	2
RSR 332L Radiographic Procedures II Lab	1
RSR 342 Radiographic Physics & Instrumentation II	2
RSR 354 Radiographic Imaging Principles II	2
RSR 362 Image Analysis II	2
RSR 372 Clinical Radiography II	6
Semester V Total	17
Semester VI	
RSR 333 Advanced Radiographic Procedures	1
RSR 333L Advanced Radiographic Procedures Lab	1
RSR 373 Clinical Radiography III	8
RSR 412 Radiographic Pathology	2
RSR 414 Radiography Capstone	1
RSR 471 Radiography Review Seminar	2
Semester VI Total	15
Program Total	89

Two Year Concentration: MRI/Vascular Sonography

Semester I	
RSM 321 Patient Care & Services in Diagnostic Imaging	2
RSM 400 MRI Physics & Instrumentation I	3
RSM 401 Cross-Sectional Anatomy I	2
RSM 411 MRI Patient Care & Safety	2
RSM 412 Clinical MRI I	6
RSM 431 MRI Procedures I	3
Semester I Total	18
Semester II	
RSM 402 Cross-Sectional Anatomy II	2
RSM 403 MRI Physics and Instrumentation II	1
RSM 413 Clinical MRI II	6
RSM 415 MRI Pathology	1
RSM 432 MRI Procedures II	3
RSM 451 Imaging Informatics	1
RSM 498 MRI Special Topics	1
Semester II Total	15
Semester III	
RSM 414 Clinical MRI III	8
RSM 473 MRI Review Seminar	2
RSM 474 MRI Advanced Scanning Seminar	1
Semester III Total	11

Semester IV	
RSV 323 Patient Care & Services in Diagnostic Imaging for second year students from non-ultrasound concentrations	1
RSV 311 Cardiovascular Physiology	2
RSV 335 Vascular Procedures I	2
RSV 353 Vascular Principles I	2
RSV 400 Ultrasound Physics I	2
RSV 401 Vascular Anatomy	2
RSV 421 Clinical Vascular I	6
Semester IV Total	17
Semester V	
RSV 336 Vascular Procedures II	2
RSV 354 Vascular Principles II	2
RSV 403 Ultrasound Physics II	2
RSV 422 Clinical Vascular II	6
RSV 493 Special Topics in Vascular Sonography	2
Semester V Total	14
Semester VI	
RSV 423 Clinical Vascular III	8
RSV 482 Vascular Review Seminar	2
Semester VI Total	10
Program Total	85

Two Year Concentration: MRI/Education

Semester I	
RSM 321 Patient Care & Services in Diagnostic Imaging	2
RSM 400 MRI Physics & Instrumentation I	3
RSM 401 Cross-Sectional Anatomy I	2
RSM 411 MRI Patient Care & Safety	2
RSM 412 Clinical MRI I	6
RSM 431 MRI Procedures I	3
Semester I Total	18
Semester II	
RSM 402 Cross-Sectional Anatomy II	2
RSM 403 MRI Physics and Instrumentation II	1
RSM 413 Clinical MRI II	6
RSM 415 MRI Pathology	1
RSM 432 MRI Procedures II	3
RSM 451 Imaging Informatics	1
RSM 498 MRI Special Topics	1
Semester II Total	15
Semester III	
RSM 414 Clinical MRI III	8
RSM 473 MRI Review Seminar	2
RSM 474 MRI Advanced Simulation La II	1
Semester III Total	11

Semester IV	
CMST 201 Technology Applications for Healthcare	3
COMM 101 Interpersonal Communication*	3*
COMM 201 Intercultural Communication*	3*
ED 301 Methods of Teaching	3
PSYC 301 Educational Psychology	3
Semester IV Total	12
Semester V	
ED 307 Concepts and Techniques in Assessment	3
ED 401 Technology in Instruction	3
ED 409 Curriculum Design and Evaluation	3
ID 302 Understanding Research Principles and the Scientific Method	3
Semester V Total	12
Semester VI	
ID 303 Advanced Research Project Analysis	3
Semester III Total	3
Program Total	71

* *Student's choice of two alternative courses*

Two Year Concentration: MRI/Healthcare Information Systems

Semester I	
RSM 321 Patient Care & Services in Diagnostic Imaging	2
RSM 400 MRI Physics & Instrumentation I	3
RSM 401 Cross-Sectional Anatomy I	2
RSM 411 MRI Patient Care & Safety	2
RSM 412 Clinical MRI I	6
RSM 431 MRI Procedures I	3
Semester I Total	18
Semester II	
RSM 402 Cross-Sectional Anatomy II	2
RSM 403 MRI Physics and Instrumentation II	1
RSM 413 Clinical MRI II	6
RSM 415 MRI Pathology	1
RSM 432 MRI Procedures II	3
RSM 451 Imaging Informatics	1
RSM 498 MRI Special Topics	1
Semester II Total	15
Semester III	
RSM 414 Clinical MRI III	8
RSM 473 MRI Review Seminar	2
RSM 474 MRI Advanced Scanning Seminar	1
Semester III Total	11

Semester IV	
CMST 212 Data Base Management	3
HCA 300 Health Services Delivery and Organization	3
HMIS 310 Management Information Systems in Healthcare	3
HMIS 311 Informatics Resources and Technology for Healthcare	3
Semester IV Total	12
Semester V	
HMIS 401 Network Management	3
HMIS 402 Systems Design	3
HMIS 420 Informatics Analysis and Utilization in Health Service Organizations	3
ID 302 Understanding Research Principles and the Scientific Method	3
Semester V Total	12
Semester VI	
ID 303 Advanced Research Project Analysis	3
Semester III Total	3
Program Total	71

Two Year Concentration: MRI/Health Management

Semester I	
RSM 321 Patient Care & Services in Diagnostic Imaging	2
RSM 400 MRI Physics & Instrumentation I	3
RSM 401 Cross-Sectional Anatomy I	2
RSM 411 MRI Patient Care & Safety	2
RSM 412 Clinical MRI I	6
RSM 431 MRI Procedures I	3
Semester I Total	18
Semester II	
RSM 402 Cross-Sectional Anatomy II	2
RSM 403 MRI Physics and Instrumentation II	1
RSM 413 Clinical MRI II	6
RSM 415 MRI Pathology	1
RSM 432 MRI Procedures II	3
RSM 451 Imaging Informatics	1
RSM 498 MRI Special Topics	1
Semester II Total	15
Semester III	
RSM 414 Clinical MRI III	8
RSM 473 MRI Review Seminar	2
RSM 474 MRI Advanced Scanning Seminar	1
Semester III Total	11

Semester IV	
ACCT 101 Financial Accounting	3
ACCT 102 Managerial Accounting	3
HCA 300 Health Service Delivery and Organization	3
HCA 303 Business and Healthcare Law	3
Semester IV Total	12
Semester V	
ID 302 Understanding Research Principles and the Scientific Method	3
MGMT 101 Principles of Management & Organizational Behavior	3
MGMT 304 Management and Organization in Health Service Organizations	3
PHIL 301 Healthcare Ethics	3
Semester V Total	12
Semester VI	
ID 303 Advanced Research Project Analysis	3
Semester III Total	3
Program Total	71