RADIOLOGIC IMAGING SCIENCES

College of Health, Human Services, and Nursing
Department of Health Sciences

Certificate
Radiologic Imaging Sciences Management
Radiologic and Imaging Sciences Education

Faculty

Elwin Tilson, Program Coordinator
Program Office: WH A-330, (310) 243-3748
Student Services Center - Advising: WH A-300, (310) 243-2120 or (800) 344-5484

Division Mission

The Division of Health Sciences programs are designed to:

Strengthen students' intellectual capacities and abilities to develop and mobilize human and institutional resources and services to meet the health needs of diverse individuals and populations, as well as the communities in which they reside.

Educate students in developing and implementing evidence-based assessment and intervention models that improve the biopsychosocial health of diverse individuals and populations, as well as the communities in which they reside.

Prepare scholar-practitioners to engage in multidisciplinary scientific inquiry that advances the knowledge base of research and practice in the health disciplines.

Prepare graduates who will be leaders in their fields and professions to inform and influence professional dialogues on key health issues affecting diverse individuals and populations, as well as the communities in which they reside.

Prepare scholar-activists who – with global consciousness and ecosystemic perspectives – are committed to attaining health equity and collective well-being through the promotion of human development, universal human rights, and social justice.

Program Description

The graduate program in Radiologic and Imaging Sciences offers both a master's degree and two graduate certificates.

The Master of Science in Radiologic and Imaging Sciences program provides professional advancement tracts in imaging and therapy administration, radiologic sciences education, sonography, radiation therapy, CT, PET/CT, and MRI. All options/tracts in this degree are open to applicants with certification in radiography, nuclear medicine, radiation therapy, sonography, dosimetry, cardiovascular interventional technology and PACS administration. This is an executive style program that is one-year in length and offered online. Part-time enrollment is an option.

The Graduate Certificate in Radiologic and Imaging Sciences allows professional interested in obtaining additional skill sets in therapy administration, radiologic sciences education, sonography, radiation therapy, CT, PET/CT, and MRI but who do not desire a graduate degree at this time.

Features

The master's degree and certificates enhance Radiologic and Imaging Sciences professionals' careers by equipping them to move into management or educational roles within the profession. Additionally, the MS degree expands the student's knowledge of the basic physical principles and instrumentation for all RIS disciplines as well as develops skills in utilizing scientific literature to modify clinical and educational practices. Certificates are concentrations focusing on specific RIS management skill sets or RIS education skill sets.

Academic Advisement

Interested students should contact the Radiologic and Imaging Sciences at (310) 243-2550 or the Health Sciences Division at (319)243-3748 or visit https://www.csudh.edu/radiologic-imaging-sciences-ms/ for program specific details, application and additional information.

Preparation

Procedures and Admission Criteria

Students applying to the MSRIS program must:

1. Hold a bachelor's degree from an accredited university in any discipline.
2. Have an undergraduate GPA of 2.5 or higher.
3. Be certified/registered in one of the Radiologic and Imaging Sciences. Specifically, Radiography (RTR), Radiation Therapy (RTT), Nuclear Medicine (RTN or CNMT), Sonography (RDMS, RSCS, or RVT), Magnetic Resonance Imaging (ARMRIT), Cardiovascular Interventional Technology (RCES, RCIS), Dosimetrist (CMD) or PACS

Graduation Writing Assessment Requirement

All graduate students entering the University in the Fall of 1983 or thereafter are required to satisfy the Graduation Writing Assessment Requirement (GWAR) in accordance with the established policies of the university. Students must satisfy the requirements before being Advanced to Candidacy. (See "Graduation Writing Assessment Requirement" section of the University Catalog.
Administrator (ABII, PARCA).

Advancement to Candidacy

Advancement to candidacy recognizes that the student has demonstrated the ability to sustain a level of scholarly competency commensurate with successful completion of degree requirements. Upon advancement to candidacy, the student is cleared for the final stages of the graduate program which, in addition to any remaining course work, will include the thesis or project.

Following are the requirements for Advancement to Candidacy:

- A minimum of 15 resident units;
- Classified standing;
- Successful completion of GWAR;
- A cumulative GPA of 3.0 in all courses taken as a graduate student;
- No grade lower than a "B" in the degree program.

Advancement to Candidacy must be certified on the appropriate form to the Graduate Dean by the department prior to the final semester, prior to enrolling in the thesis or project.

Graduation with Honors in the Major

An undergraduate student may be a candidate for graduation with honors in Health Science provided s/he meet the following criteria:

1. A minimum of 36 units in residence at CSU Dominguez Hills;
2. A minimum grade point average of at least 3.5 in courses used to satisfy the upper division requirements in the major;
3. Recommendation by the Health Science faculty.

Students who achieve honors in Health Science will have the information recorded on their transcripts and diplomas.

Master of Science in Radiologic and Imaging Sciences

Degree Requirements

Core Courses (27 units)

Students must complete the following courses:
RIS 501 Radiologic and Imaging Sciences I (3)
RIS 502 Radiologic and Imaging Sciences II (3)
RIS 503 Radiologic and Imaging Sciences III (3)
RIS 510 RIS Research Methods and Data Analysis (3)
RIS 511 Informatics in Radiologic Imaging Sciences (3)
RIS 590 Practicum (1-3)

Education Track (9 units)

RIS 530 Pedagogy and Andragogy in RIS (3)
RIS 531 Radiologic and Imaging Sciences Program Administration (3)
RIS 532 RIS Academic Program Accreditation (3)

Computed TOMOGRAPHY Track (9 units)

RIS 540 CT Physics, Instrumentation and Procedures (3)
RIS 541 Advanced Topics in CT (3)
RIS 542 CT Clinical Applications (3)

Management Track (9 units)

RIS 520 Radiologic Management I (3)
RIS 521 Radiologic Management II (3)
RIS 522 Clinical Practice Accreditation (3)

MRI Track (9 units)

RIS 550 MRI Physics & Instrumentation (3)
RIS 551 Advanced Topics in MRI (3)
RIS 552 MRI Clinical Applications (3)

PET/CT Track (9 units)

RIS 570 PET/CT Physics and Instrumentation (3)
RIS 571 PET Radiopharmaceuticals (3)
RIS 572 PET/CT Clinical Applications (3)

Radiation Therapy (9 units)

RIS 580 Radiation Therapy Physics and Treatment Planning (3)
RIS 581 Principles and Practices of Radiation Therapy I (3)
RIS 582 Principles and Practices of Radiation Therapy II (3)

Ultrasound Track (9 units)

RIS 560 Ultrasound Physics and Instrumentation (3)
RIS 561 Advanced Topics in Ultrasound (3)
RIS 562 Ultrasound Clinical Applications (3)

Certificate in Radiologic Imaging Sciences

Requirements

Education Option (12 units)

RIS 530 Pedagogy and Andragogy in RIS (3)
RIS 531 Radiologic and Imaging Sciences Program Administration (3)
RIS 532 RIS Academic Program Accreditation (3)
RIS 590 Practicum (1-3)

Management Option (12 units)

RIS 520 Radiologic Management I (3)
RIS 521 Radiologic Management II (3)
RIS 522 Clinical Practice Accreditation (3)
RIS 590 Practicum (1-3)