RADIATION TECHNOLOGY/MEDICAL SONOGRAPHY
(RTMS)

Courses

RTMS 339. Echocardiography I. 4 Units.
Focuses on normal anatomy, scan techniques, cardiac measurement, and new dynamics. Case study presentations.

RTMS 344. Introduction to Medical Sonography. 5 Units.
Introduction to sonography—including ob-gyn, abdomen, vascular, neurosonography, cardiac, and pediatric. Covers terminology and scan techniques for all areas.

RTMS 345. Ob-Gyn Sonography. 5 Units.
Ob-Gyn scan techniques, fetal anatomy and pathologies, gynecological anatomy and pathologies. Student case presentations and case studies.

RTMS 346. Vascular Technology/Doppler/Scan Techniques. 5 Units.
Covers vascular technology, Doppler, abdomen, and small parts. Continues case studies and case presentations.

RTMS 347. Echocardiography II. 4 Units.
Echocardiography, adult and pediatric. Further focuses on anatomy, pathology, hemodynamics, and Doppler. Includes case studies and presentations.

RTMS 348. Abdomen/Neurosonography. 5 Units.
Sonography of the abdomen and neonatal neurosonography specialties and scan techniques. Visualizes sonography of the abdomen, cross-section scan techniques, and pathologies on ultrasound. Includes neonatal neurosonography; anatomy and pathologies also included.

RTMS 379. Ultrasound Physics and Instrumentation I. 2 Units.
Studies the basic physical principles and instrumentation of ultrasound production and imaging. Selected case study presentations, as assigned.

RTMS 381. Topics in Medical Sonography I. 1 Unit.
Surveys selected topics in medical sonography. Procedure summaries, projects, literature reviews.

RTMS 382. Topics in Medical Sonography II. 1 Unit.
Surveys selected topics in medical sonography. Procedure summaries, projects, literature reviews.

RTMS 383. Topics in Medical Sonography III. 1 Unit.
Surveys selected topics in medical sonography. Procedure summaries, projects, literature reviews.

RTMS 384. Topics in Medical Sonography IV. 1 Unit.
Includes board-review sessions; mock boards; and additional lectures in writing a CV, interviewing for a new position, and completing all paperwork associated with taking the national boards.

RTMS 385. Topics in Medical Sonography V. 1-3 Units.
Selected projects that may be taken concurrently with RTMS 971-978 Medical Sonography for credit toward the B.S. degree.

RTMS 387. Ultrasound Physics and Instrumentation II. 2 Units.
Study and review of the basic physical principles and instrumentation of ultrasound, with additional emphasis on Doppler and artifacts. Prerequisite: RTMS 379.

RTMS 965. Cardiac Ultrasound Clinical Affiliation. 12 Units.
Clinical experience in cardiac ultrasound (384 clock hours per quarter) covering a wide variety of technical procedures.

RTMS 966. Cardiac Ultrasound Clinical Affiliation. 11 Units.
Clinical experience in cardiac ultrasound (352 clock hours per quarter) covering a wide variety of technical procedures.

RTMS 967. Cardiac Ultrasound Clinical Affiliation. 11 Units.
Clinical experience in cardiac ultrasound (352 clock hours per quarter) covering a wide variety of technical procedures.

RTMS 968. Cardiac Ultrasound Clinical Affiliation. 12 Units.
Clinical experience in cardiac ultrasound (440 clock hours per quarter) covering a wide variety of technical procedures.

RTMS 971. Medical Sonography Clinical Affiliation. 11 Units.
A twelve-week, 384-hour clinical experience in medical sonography, consisting of four days/week rotations covering a wide variety of technical procedures.

RTMS 972. Medical Sonography Clinical Affiliation. 11 Units.
Clinical experience in medical sonography (384 clock hours) covering a wide variety of technical procedures. Prerequisite: RTMS 971.

RTMS 973. Medical Sonography Clinical Affiliation. 11 Units.
Clinical experience in medical sonography (352 clock hours) covering a wide variety of technical procedures. Prerequisite: RTMS 972.

RTMS 974. Medical Sonography Clinical Affiliation. 11 Units.
Clinical experience in medical sonography (352 clock hours) covering a wide variety of technical procedures. Prerequisite: RTMS 973.

RTMS 975. Medical Sonography Clinical Affiliation. 12 Units.
Clinical experience in medical sonography (384 clock hours) covering a wide variety of technical procedures. Prerequisite: RTMS 974.

RTMS 976. Medical Sonography Clinical Affiliation. 11 Units.
Clinical experience in medical sonography (352 clock hours) covering a wide variety of technical procedures. Prerequisite: RTMS 975.

RTMS 977. Medical Sonography Clinical Affiliation. 11 Units.
Clinical experience in medical sonography (352 clock hours) covering a wide variety of technical procedures. Prerequisite: RTMS 976.

RTMS 978. Medical Sonography Clinical Affiliation. 11 Units.
Clinical experience in medical sonography (352 clock hours) covering a wide variety of technical procedures. Prerequisite: RTMS 977.