



**CARDIAC MEDICAL SONOGRAPHY\***  
**Advanced Certificate Program**

Career Curriculum 00DMS0015 Certificate Program Minimum Hrs. 50 Major Code: 1.2 510910J
--

**FIRST YEAR – FALL SEMESTER**

Dept. No.	Hrs.	Gr.
DMS 104 Diagnostic Ultrasound Foundations <sup>1</sup>	3	—
DMS 202 Cardiac Anatomy and Physiology <sup>1</sup>	4	—
DMS 204 Cardiac Ultrasound Imaging/Lab I <sup>1</sup>	6	—
DMS 206 Cardiac Ultrasound Clinic I <sup>1</sup>	3	—
	<u>16</u>	

**FIRST YEAR – SPRING SEMESTER**

Dept. No.	Hrs.	Gr.
DMS 200 Medical Physics and Instrumentation	5	—
DMS 224 Cardiac Ultrasound Imaging/Lab II	6	—
DMS 226 Cardiac Ultrasound Clinic II	6	—
	<u>17</u>	

**FIRST YEAR – SUMMER SEMESTER**

Dept. No.	Hrs.	Gr.
DMS 236 Cardiac Ultrasound Clinic III	5	—
	<u>5</u>	

**SECOND YEAR – FALL SEMESTER**

Dept. No.	Hrs.	Gr.
DMS 230 Cardiac Seminar	2	—
DMS 246 Cardiac Ultrasound Clinic IV	10	—
	<u>12</u>	

\* Students seeking the advanced certificate in Cardiac Medical Sonography must have completed equivalent prerequisites required in the associate degree program for Cardiac Medical Sonography while completing the following programs and courses:

Prerequisites (2 year):

- Associate Degree Nursing
- Medical Laboratory Technician
- Occupational Therapy Assistant
- Physical Therapy Assistant
- Radiologic Technology
- Respiratory Therapy

Bachelor of Science:

- Nursing
- Allied Health
- Occupational Therapy

General Education Courses Diagnostic Medical Sonography

<sup>1</sup> 6DMS 230 Skill Enhancement (nontransferable) is required for any student who does not meet the course minimum for DMS 104, 202, 204 and 206.

*John A. Logan College reserves the right to modify this curriculum guide as needed.  
Please verify with your academic advisor the accuracy and time lines of this document.*

**Effective Date: Spring 2012**

**Additional Information:**

Graduates will be eligible to sit for the national examination upon successful completion of the program. Although registration is not required for employment, hospitals prefer to hire registered sonographers. In some states registered staff is a requirement for insurance reimbursement.

The Cardiac Medical Sonography program prepares students to become highly competent sonographers possessing the skills and knowledge necessary to produce and evaluate ultrasound images and related data that are used by a physician to render a medical diagnosis.

Classroom learning, laboratory practice, and clinical training at affiliated hospitals are included in this program.

An 18-month advanced certificate program is offered. Graduates will be eligible to sit for their registry examinations and successful candidates will be able to use the title "Registered Diagnostic Cardiac Sonographer (RDCS)." The program requires a minimum academic and clinical grade of "C" in each DMS course. A grade of less than "C" is considered a failing grade.

Interested students should contact the Assessment Office for a packet detailing steps for admission. Applicants must take an entrance exam, the Health Occupation Aptitude Exam. The ranking for admission is developed using raw scores and weighing of select previous coursework and experience. Selection and registration will be completed in late April.

**Career Opportunities:** Sonographers can choose to work in clinics, hospitals, private practice physician offices, public health facilities, laboratories, and other medical settings performing examinations in their areas of specialization. Career advancement opportunities exist in education, administration, research, and in commercial companies as education/application specialists, sales representatives, and technical advisors.