



John A. Logan College

Certificate Toward a Degree in Diagnostic Cardiac Sonography

Career Curriculum
00DMS0015
Minimum Hours: 50
Major Code: 1.2 510910J
Effective Date: Fall 2013

FIRST YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
DMS	104	Diagnostic Ultrasound Foundations ¹	3	_____
DMS	202	Cardiac Anatomy and Physiology ¹	4	_____
DMS	204	Cardiac Ultrasound Imaging/Lab I ¹	6	_____
DMS	206	Cardiac Ultrasound Clinic I ¹	3	_____
			16	

General Education Courses Diagnostic Cardiac Sonography

¹ Students not meeting the minimum course requirements for DMS 104, DMS 202, DMS 204 and DMS 206 are required to enroll in 6DMS 230, Skill Enhancement, and 6DMS 232, Skill Enhancement. These courses are not required for graduation from this program and therefore are ineligible for Title IV Financial Aid funding.

This is a Gainful Employment Certificate Program of 16 credit hours or more that prepares the student for gainful employment in a recognized occupation. For detailed information regarding program length, cost, average loan debt and completion details, select the following link to the Gainful Employment Worksheet for this program. [Gainful Employment Worksheet–Diagnostic Cardiac Sonography Certificate Program \(00DMS0015\)](#). You can also access this information by typing the following URL into your browser's address bar: http://www.jalc.edu/gainful_employment/cardiac_medical_sonography/Gedt.html

FIRST YEAR – SPRING SEMESTER

Dept.	No.		Hrs.	Grade
DMS	200	Medical Physics and Instrumentation	5	_____
DMS	224	Cardiac Ultrasound Imaging/Lab II	6	_____
DMS	226	Cardiac Ultrasound Clinic II	6	_____
			17	

Additional Information:

Graduates will be able to apply 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.

This advanced certificate 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 able to apply for their registry examinations and successful candidates will be able to use the title "Registered Diagnostic Cardiac Sonographer (RDCA)." 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.

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.

FIRST YEAR – SUMMER SEMESTER

Dept.	No.		Hrs.	Grade
DMS	236	Cardiac Ultrasound Clinic III	5	_____
			5	

SECOND YEAR – FALL SEMESTER

Dept.	No.		Hrs.	Grade
DMS	230	Cardiac Seminar	2	_____
DMS	246	Cardiac Ultrasound Clinic IV	10	_____
			12	

NOTES AND INFORMATION

* Students seeking the advanced certificate in Diagnostic Cardiac Sonography must have completed equivalent prerequisites required in the associate degree program for Diagnostic Cardiac 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