

**DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM (DMSD)**

ASSOCIATE IN APPLIED SCIENCE (A.A.S.) DEGREE

**Occupational Title: Diagnostic Medical Sonographer****Flanagan Campus, Lincoln only**

**The Diagnostic Medical Sonography program is accredited by The Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL, 33756, 727-210-2350, upon recommendation of The Joint Review Committee on Education in Diagnostic Medical Sonography, 2025 Woodlane Drive, St. Paul, MN, 55125, 651-731-1582.**

Diagnostic medical sonography is a rapidly growing technology used to locate, evaluate and record pertinent anatomical, pathological and functional data to aid the physician in the diagnosis and prevention of disease. The Diagnostic Medical Sonography associate degree program is a 24-month program that begins in September. Students participate in five semesters of classroom instruction at CCRI and associated clinical education facilities to learn a wide variety of imaging techniques.

Students may select a concentration in either general ultrasound, vascular or echocardiography. Students successfully completing the program are eligible to take the American Registry of Diagnostic Medical Sonographers (ARDMS) registry examination. Graduates of this program are prepared for entry-level employment as sonographers (ultrasonographers) in hospitals, clinics and private offices and/or for transfer to bachelor's degree programs.

**Technical Standards:** The physical activity (strength) level for sonographers (078.364.010) is classified as "light" by the Department of Labor in the Dictionary of Occupational Titles.

**PREADMISSION GENERAL EDUCATION REQUIREMENTS - ALL TRACKS**

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> ENGL 1010* +	Composition I	3
<input type="checkbox"/> MATH 1700* +	Algebra for Technology <b>OR</b>	3
<input type="checkbox"/> MATH 1200* +	College Algebra	3
<input type="checkbox"/> BIOL 1070 +	Anatomy and Physiology <b>OR</b>	3
<input type="checkbox"/> BIOL 1010 + <b>P</b>	Human Anatomy	3
<input type="checkbox"/> PHYS 1000 + <b>P</b>	Physical Science	4
<b>Total Preadmission General Education Credits</b>		<b>13</b>

\* Placement test required

+ Must be taken prior to admission

**GENERAL POLICIES:**

See important general policies in beginning of this section on academic progress, advanced standing, background check, CPR certification, health insurance, health records, reinstatement, transportation, and uniforms and equipment.

**ADMISSION REQUIREMENTS:**

- Submit a completed Health Science performance-based application.
- An official copy of high school transcript or GED, including date of graduation.
- Successful completion of MATH 1700\*: Algebra for Technology or MATH 1200: College Algebra with a "C" or better.
- Successful completion of English 1010. ENGL 1300 will not substitute for ENGL 1010.
- Successful completion of PHYS 1000.
- Successful completion of BIOL 1070:\* Anatomy and Physiology or BIOL 1010: Human Anatomy with a grade of "B-" or better.
- Completion of ACCUPLACER test is required. Competency of 80 or above on reading comprehension test or completion of ENGL 0890.
- Completion of PSB-Health Occupations Aptitude Examination.

- Students may NOT retake the ACCUPLACER test before completing the course/courses.

**PROGRAM REQUIREMENTS:**

- The major requirements for this program must be taken in sequence. They are open only to students who are formally accepted into the program.
- Students must complete all courses in the program with a cumulative index of 2.0 to qualify for a certificate.
- No grade less than a "C" is acceptable in any of the technical courses (DMSD). Students receiving less than a "C" will be dismissed from the program.
- Program faculty reserve the right to require withdrawal of any student from the program or refuse reinstatement based on the student's academic, clinical or professional performance.

**GENERAL EDUCATION REQUIREMENTS - ALL TRACKS**

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> PSYC 2010	General Psychology	3
<input type="checkbox"/> SPCH 1100	Oral Communication	3
<input type="checkbox"/> PSYC 2030 <b>P</b>	Developmental Psychology	3
<input type="checkbox"/> ENGL	Literature elective	3
<input type="checkbox"/> Social Science <b>OR</b> Humanities Elective	See pg. 17 for complete listing of courses that meet this requirement	3
<b>Total General Education Credits (including Preadmission)</b>		<b>28</b>

Major requirements on next page

**P** This course has a prerequisite. See Course Descriptions section for class hours, prerequisites and corequisites.

## GENERAL ULTRASOUND TRACK

### MAJOR REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> DMSD 2100	Patient Care	3
<input type="checkbox"/> DMSD 2210 <b>P</b>	Sonographic Physics and Instrumentation	4
<input type="checkbox"/> DMSD 2220	Sonographic Imaging	3
<input type="checkbox"/> DMSD 2230 <b>P</b>	Abdominal Ultrasound	3
<input type="checkbox"/> DMSD 2235 <b>P</b>	Ultrasound for Small Parts, Gynecology and Male Pelvis	3
<input type="checkbox"/> DMSD 2240 <b>P</b>	Obstetrical Ultrasound	3
<input type="checkbox"/> DMSD 2241 <b>P</b>	General Ultrasound Practicum I	3
<input type="checkbox"/> DMSD 2242 <b>P</b>	General Ultrasound Practicum II	3
<input type="checkbox"/> DMSD 2243 <b>P</b>	General Ultrasound Practicum III	3
<input type="checkbox"/> DMSD 2245	Sonographic Anatomy	3
<input type="checkbox"/> DMSD 2500 <b>P</b>	Diagnostic Medical Sonography Seminar	3
<input type="checkbox"/> COMI 1100	Introduction to Computers	3
<b>Total Major Requirements Credits</b>		<b>37</b>

**Total Program Credits** **65**

**General Ultrasound Track students should take courses in the following sequence:**

**Fall semester - first year:** DMSD 2220, 2100, 2245, PSYC 2010 (12 credits)

**Spring semester - first year:** DMSD 2210, 2230, SPCH 1100 (10 credits)

**Summer semester:** DMSD 2235, 2241 (6 credits)

**Fall semester - second year:** DMSD 2240, 2242, PSYC 2030, COMI 1100 (12 credits)

**Spring semester - second year:** DMSD 2500, 2243, Literature Elective, Humanities or Social Science Elective (11 credits)

**Vascular Track students should take courses in the following sequence:**

**Fall semester - first year:** DMSD 2220, 2100, 2245; PSYC 2010 (12 credits)

**Spring semester - first year:** DMSD 2210, 2250; SPCH 1100 (10 credits)

**Summer semester:** DMSD 2251, 2253 (6 credits)

**Fall semester - second year:** DMSD 2252, 2254; PSYC 2030; COMI 1100 (12 credits)

**Spring semester - second year:** DMSD 2500, 2255; Literature Elective, Humanities or Social Science Elective (11 credits)

**Echo Track students should take courses in the following sequence:**

**Fall semester - first year:** DMSD 2220, 2100, 2245; PSYC 2010 (12 credits)

**Spring semester - first year:** DMSD 2210, 2260; SPCH 1100 (10 credits)

**Summer semester:** DMSD 2261, 2263 (6 credits)

**Fall semester - second year:** DMSD 2262, 2264; PSYC 2030; COMI 1100 (12 credits)

**Spring semester - second year:** DMSD 2500, 2265; Literature Elective, Humanities or Social Science Elective (11 credits)

## VASCULAR TRACK

### MAJOR REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> DMSD 2100	Patient Care	3
<input type="checkbox"/> DMSD 2210 <b>P</b>	Sonographic Physics and Instrumentation	4
<input type="checkbox"/> DMSD 2220	Sonographic Imaging	3
<input type="checkbox"/> DMSD 2245	Sonographic Anatomy	3
<input type="checkbox"/> DMSD 2250 <b>P</b>	Vascular Ultrasound I	3
<input type="checkbox"/> DMSD 2251 <b>P</b>	Vascular Ultrasound II	3
<input type="checkbox"/> DMSD 2252 <b>P</b>	Advanced Vascular Ultrasound	3
<input type="checkbox"/> DMSD 2253 <b>P</b>	Vascular Practicum I	3
<input type="checkbox"/> DMSD 2254 <b>P</b>	Vascular Practicum II	3
<input type="checkbox"/> DMSD 2255 <b>P</b>	Vascular Practicum III	3
<input type="checkbox"/> DMSD 2500 <b>P</b>	Diagnostic Medical Sonography Seminar	3
<input type="checkbox"/> COMI 1100	Introduction to Computers	3
<b>Total Major Requirements Credits</b>		<b>37</b>

**Total Program Credits** **65**

## ECHOCARDIOGRAPHY TRACK

### MAJOR REQUIREMENTS

COURSE NO.	COURSE TITLE	CREDITS
<input type="checkbox"/> DMSD 2100	Patient Care	3
<input type="checkbox"/> DMSD 2210 <b>P</b>	Sonographic Physics and Instrumentation	4
<input type="checkbox"/> DMSD 2220	Sonographic Imaging	3
<input type="checkbox"/> DMSD 2245	Sonographic Anatomy	3
<input type="checkbox"/> DMSD 2260 <b>P</b>	Echocardiography I	3
<input type="checkbox"/> DMSD 2261 <b>P</b>	Echocardiography II	3
<input type="checkbox"/> DMSD 2262 <b>P</b>	Advanced Echocardiography	3
<input type="checkbox"/> DMSD 2263 <b>P</b>	Echocardiography Practicum I	3
<input type="checkbox"/> DMSD 2264 <b>P</b>	Echocardiography Practicum II	3
<input type="checkbox"/> DMSD 2265 <b>P</b>	Echocardiography Practicum III	3
<input type="checkbox"/> DMSD 2500 <b>P</b>	Diagnostic Medical Sonography Seminar	3
<input type="checkbox"/> COMI 1100	Introduction to Computers	3
<b>Total Major Requirements Credits</b>		<b>37</b>

**Total Program Credits** **65**