

DIAGNOSTIC MEDICAL SONOGRAPHY: ABDOMINAL SONOGRAPHY-EXTENDED AND OBSTETRICS AND GYNECOLOGY SONOGRAPHY SPECIALIZATION, A.A.S.

Location(s): MEC

NOVA Code: 1090

Purpose

To prepare competent entry-level abdominal sonographers and obstetrics and gynecology sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for Abdominal Sonography - Extended and Obstetrics and Gynecology Sonography. This curriculum is designed to prepare students to produce diagnostic images of the human body using special equipment to direct high frequency sound waves into different anatomic structures in a patient's body. The sonographer is a central member of the healthcare team and assists the radiologist in gathering diagnostic data for interpretation. NOVA's program emphasizes didactic and "hands-on" practice of sonographic techniques in a well-equipped scanning laboratory at the Medical Education Campus in Springfield, Virginia. Clinical experience is acquired at numerous area hospitals and private medical affiliates.

Students in the Diagnostic Medical Sonography degree program learn to perform an ultrasound of the Abdomen and Small Parts as well as Obstetric and Gynecologic sonography. Upon successful completion of the degree requirements, the student will be eligible to apply to take the American Registry for Diagnostic Medical Sonography (ARDMS) examination(s) leading to credentials as a Registered Diagnostic Medical Sonographer (RDMS®).

Transfer Information

Transfer is not the primary purpose of an A.A.S. program, but NOVA has articulation agreements that facilitate the transfer of this and other career-oriented programs to selected senior institutions. Students interested in transfer should contact a counselor or their academic advisor early in their program.

Special Accreditation Status

The Diagnostic Medical Sonography program maintains their status of accreditation by the Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Admission Requirements

Admission to the Diagnostic Medical Sonography program is competitive. Applicants must do the following:

- Comply with all general admission requirements for Health Sciences Programs.
- Review an online Diagnostic Medical Sonography information session (<https://www.nvcc.edu/academics/programs/diagnostic-medical-sonography/>).

- Complete BIO 141 Human Anatomy And Physiology I and BIO 142 Human Anatomy and Physiology II with a "B" or higher and completed within 5 years of application.
- Complete DMS 100 Orientation to the Sonography Profession with a grade of "B" or higher and completed within 5 years of application.
- Complete ENG 111 College Composition I with a grade of "B" or higher.
- Complete MTH 161 PreCalculus I or higher level math with a "B" or higher.
- Complete PHY 100 Elements of Physics with a "B" or higher and completed within 5 years of application.
- Complete SDV 100 College Success Skills or SDV 101 Orientation to: Orientation to Healthcare with a "B" or higher.
- Successfully complete and achieve satisfactory scores on the TEAS (Test of Essential Academic Skills) test. Students may only take the test three times per year. The latest result must be within three years of application to the DMS Program.
- Have a minimum 2.5 cumulative GPA. For Health Science programs, GPA evaluation will prioritize a student's record at Northern Virginia Community College (NOVA). If no NOVA GPA is available, the GPA from the student's most recent institution will be considered.

Completion Requirements

All DMS program courses must be completed with a grade of "79.5%" or better before taking the next semester course sequence and to satisfy graduation requirements. A program placed student not achieving a "79.5%" or higher will be automatically academically dismissed from the DMS program. All prerequisite courses require a B or higher. General Education courses require a C or higher grade and may be completed prior to admission to the DMS program.

Special Program Requirements

The American Registry of Diagnostic Medical Sonography (ARDMS) applicants, candidates, and registrants are required to report their involvement in any incident that constitutes a violation of ARDMS discipline policies. First-time applicants must disclose information regarding all previous violations of ARDMS discipline policies to the ARDMS with their initial application for examination. Upon disclosing a violation of ARDMS discipline policies, all ARDMS applicants, candidates, and registrants are required to submit official documentation from the presiding court system or disciplinary body. Individuals must provide documentation that either verifies that all sentencing requirements were completed in full, or a letter from the presiding court system/disciplinary body verifying that this case is closed and all of the requirements have been satisfied.

AARDMS conducts a "pre-application review" for individuals who wish to determine the impact of a previous violation of ARDMS discipline policies on their eligibility to apply for ARDMS certification. The Pre-Application Review Process is recommended for individuals who are not yet ready to apply for an examination. Individuals may obtain additional information regarding the pre-application process along with the appropriate forms by visiting www.ardms.org (<http://www.ardms.org/>).

Two Years

Course	Title	Credits
Prerequisites		
BIO 141	Human Anatomy And Physiology I	4
BIO 142	Human Anatomy and Physiology II	4

DMS 100	Orientation to the Sonography Profession	1
ENG 111	College Composition I	3
MTH 161	PreCalculus I (or Higher)	3
PHY 100	Elements of Physics	4
SDV 101 or SDV 100	Orientation to: or College Success Skills	1
Credits		20
1st Semester		
DMS 190	Coordinated Internship	2
DMS 206	Introduction to Sonography	3
DMS 207	Sectional Anatomy	2
DMS 208	Ultrasound Physics and Instrumentation I	2
DMS 217	Sectional Anatomy Laboratory	1
DMS 218	Ultrasound Physics and Instrumentation Laboratory I	1
HLT 141	Introduction to Medical Terminology	1
HLT 220	Concepts of Disease	3
Credits		15
2nd Semester		
DMS 196	On-Site Training in:	3
DMS 209	Ultrasound Physics and Instrumentation II	2
DMS 211	Abdominal Sonography	4
DMS 212	Obstetrical and Gynecological Sonography	3
DMS 219	Ultrasound Physics and Instrumentation Laboratory II	1
Credits		13
3rd Semester		
DMS 231	Clinical Education I	3
DMS 241	Advanced Abdominal Sonography	3
DMS 242	Advanced Obstetrical and Gynecological Sonography	3
Humanities/Fine Arts Elective (https://catalog.nvcc.edu/general-education-electives/#ge_hum_fa_elect)		3
Credits		12
4th Semester		
DMS 222	Sonography Registry Review	2
DMS 223	Introduction to Vascular Ultrasound	3
DMS 232	Clinical Education II	4
PSY Elective (https://catalog.nvcc.edu/courses/psy/)		3
Credits		12
Total Credits		72