

# DIAGNOSTIC MEDICAL SONOGRAPHY - ASSOCIATE OF APPLIED SCIENCE

## Selection Criteria

Completion of pre-requisite courses DOES NOT guarantee acceptance into the Diagnostic Medical Sonography Program. Selection for the program utilizes a point system as well as a comprehensive evaluation of the student's overall strengths related to the essential qualifications, competencies, and functions of the professional diagnostic medical sonographer.

Selection for acceptance incorporates two phases.

### Phase I

Phase I points are awarded in pre-requisite and related courses. Relevant field experience and/or professional credentials may qualify for additional bonus points. See program website (<https://dacc.nmsu.edu/dms/>) for details

### Phase II: Invitation only

Phase II is for applicants who have scored very well in Phase I. It is by invitation only and is conducted as a written assessment and an interview to identify personal strengths and/or weaknesses related to essential qualifications, competencies, and functions for professional diagnostic medical sonographers.

#### PLEASE NOTE THAT NOT ALL APPLICANTS WHO COMPLETE THE ADMISSION REQUIREMENTS ARE ADMITTED TO THE PROGRAM.

The application packet link is only available after attending program orientation. Register for orientation here (<https://forms.office.com/r/Mmh5v3aRUJ/>).

## Doña Ana Community College 2023-2024 Catalog Associate Degree Track

This is a limited-entry program accepting students only in the spring semester. Criteria and factors used in evaluating applicants include the following:

- High school diploma or GED
- Completion of all \*pre-requisites with an overall GPA of 3.0 or higher
  - Courses "In-Progress" at the time of application are accepted
- County of residence

The following courses will receive application points as follows: A = 10 pts, B = 5 pts, C = 2 pts

#### Note:

- \*Students should receive a B or better in CHEM and BIOL pre-requisites to be a viable candidate for the DMS program.
- There are restrictions on repeating courses with a grade of C or lower. See program director for details.

## (Associate Degree 73 credits)

NOTE: Application Deadline is September 1

NOTE: A grade of C- or better on a traditional grading scale is required in ENGL 1110G Composition I and designated Mathematics courses. Students must earn a final grade of C or better in all required DMS courses/Technical Requirements and achieve a cumulative grade-point average of at least 2.0. The DMS program utilizes an accelerated grading scale. 74% is the minimum passing score for all assignments, assessments, and overall class grading and corresponds to a "C."

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 73 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

Prefix	Title	Credits
<b>General Education</b>		
<i>Select one course from four of the following six content areas for a total of 12-14 credits</i>		12-14
This degree requires courses from Areas I, II, III, and IV; students do not need to take additional courses to complete the General Education requirements.		
<b>Area I: Communications - English Composition Level 1</b>		
ENGL 1110G	Composition I (DMS Program Prerequisite) <sup>1</sup>	
<b>Area II: Mathematics</b>		
MATH 1220G	College Algebra (DMS Program Prerequisite) <sup>1</sup>	
<b>Area III: Laboratory Sciences</b>		
CHEM 1120G	Introduction to Chemistry Lecture and Laboratory (non majors) (DMS Program Prerequisite) <sup>1,2</sup>	
	or CHEM 1215G General Chemistry I Lecture and Laboratory for STEM Majors	
<b>Area IV: Social/Behavioral Sciences</b>		
PSYC 1110G	Introduction to Psychology <sup>1,3</sup>	
	or SOCI 2310G Contemporary Social Problems	
<b>General Education Elective - Choose one from the following</b>		3
ENGL 2210G	Professional & Technical Communication <sup>1,3</sup>	
COMM 1130G	Public Speaking <sup>1,3</sup>	
COMM 1115G	Introduction to Communication <sup>1,3</sup>	
<b>Core Requirements</b>		
BIOL 2210	Human Anatomy and Physiology I for the Health Sciences (DMS Program Prerequisite) <sup>1,2</sup>	4
AHS 120	Medical Terminology	3
or HIT 150	Introduction to Medical Terminology	
Choose one from the following:		3
PHYS 1230G	Algebra-Based Physics I (DMS Program Prerequisite) <sup>1</sup>	
PHYS 1112	Introductory Physics for the Health Sciences (DMS Program Prerequisite) <sup>1</sup>	
RADT 105	Radiographic Physics and Equipment (DMS Program Prerequisite)	

#### Related Requirements

The following courses are not required for the Associates degree; however, the courses will strengthen study skills or increase knowledge that will be beneficial as a sonography student. Courses completed or are in progress at the time of application will receive bonus points toward the application as follows:

BONUS POINTS: A = 10 pts, B = 5 pts, C = 2 pts

BIOL 2225	Human Anatomy and Physiology II <sup>1</sup>	
BIOL 2505	Pathophysiology <sup>1</sup>	
BONUS POINTS: A = 5 pts, B = 3 pts		
MATH 1350G	Introduction to Statistics <sup>1</sup>	
BCIS 1110	Introduction to Information Systems	
<b>Major Requirements</b>		
<i>Technical Requirements</i>		
DMS 100	Introduction to Clinical Practicum	1
DMS 101	Introduction Sonography/Patient Care	2
DMS 105	Introduction to Clinical Practicum II	1
DMS 130	Pelvic Sonography	1
DMS 130 L	Pelvic Sonography Lab	1
DMS 140	Abdominal Sonography	3
DMS 140 L	Abdominal Sonography Lab	1
DMS 150	Sonographic Principles and Instrumentation I	1
DMS 160	1st Trimester Obstetric Sonography	1
DMS 165	2nd/3rd Trimester Obstetric Sonography	1
DMS 170	Clinical Practicum I	1
DMS 180	Clinical Practicum II	4
DMS 226	Sonographic Case Studies I	1
DMS 227	Sonographic Case Studies II	1
DMS 230	Gynecologic Pathology	2
DMS 240	Abdominal Pathology I	2
DMS 245	Abdominal Pathology II	2
DMS 248	Pediatric Sonography	2
DMS 250	Sonographic Principles and Instrumentation II	3
DMS 260	High Risk Obstetric Sonography	3
DMS 290	Small Parts & Superficial Structures	2
DMS 270	Clinical Practicum III	3
DMS 280	Clinical Practicum IV	5
DMS 291	Registry Preparation: OB/GYN	1
DMS 292	Registry Preparation: Abdomen	1
<b>Total Credits</b>		<b>73</b>

<sup>1</sup> Courses are identical to those offered at New Mexico State University Las Cruces (main) Campus.

<sup>2</sup> Students should receive a B or better in CHEM and BIOL pre-requisites to be a viable candidate for the DMS program.

<sup>3</sup> These courses are required for the associate degree but are not pre-requisites. Courses that are completed or are in progress at the time of application to the DMS program will receive bonus points toward the application as follows: A = 5 pts, B = 3 pts.

## Course Fees

In addition to tuition, a fee of \$200 is charged for each of the following courses:

Prefix	Title	Credits
DMS 170	Clinical Practicum I	1
DMS 180	Clinical Practicum II	4
DMS 270	Clinical Practicum III	3
DMS 280	Clinical Practicum IV	5

**(73 credits)**

**NOTE: Application Deadline is September 1**

## A Suggested Plan of Study

The contents of this Road Map may vary depending on initial student placement in Mathematics and English. This is only a suggested plan of study for students, and is not intended as a contract. Individual student academic plans may vary. Please contact your academic advisor to create a plan that works for you. Course availability may vary from fall to spring semester and may be subject to modification or change.

NOTE: A grade of C- or better on a traditional grading scale is required in ENGL 1110G Composition I and designated Mathematics courses. Students must earn a final grade of C or better in all required DMS courses/Technical Requirements and achieve a cumulative grade-point average of at least 2.0. The DMS program utilizes an accelerated grading scale. 74% is the minimum passing score for all assignments, assessments, and overall class grading and corresponds to a "C."

Students must complete all University degree requirements, which include: General Education requirements and elective credits to total at least 73 credits. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

<b>Semester 1</b>		<b>Credits</b>
Area I: Communications - English Composition Level 1		4
ENGL 1110G	Composition I	
Area II: Mathematics		3
MATH 1220G	College Algebra	
Area III: Laboratory Sciences		4
CHEM 1120G or CHEM 1215G	Introduction to Chemistry Lecture and Laboratory (non majors) or General Chemistry I Lecture and Laboratory for STEM Majors	
AHS 120 or HIT 150	Medical Terminology or Introduction to Medical Terminology	3
<b>Credits</b>		<b>14</b>

<b>Semester 2</b>		
SUMMER		
Choose From One of the Following		3
PHYS 1230G	Algebra-Based Physics I	
PHYS 1112	Introductory Physics for the Health Sciences	
RADT 105	Radiographic Physics and Equipment <sup>*Radiologic Technologists Only</sup>	
BIOL 2210	Human Anatomy and Physiology I for the Health Sciences	4
<b>Credits</b>		<b>7</b>

<b>Semester 3</b>		
AREA IV: Social/Behavioral Sciences		3
PSYC 1110G or SOCI 2310G	Introduction to Psychology or Contemporary Social Problems	
DMS 100	Introduction to Clinical Practicum	1
DMS 101	Introduction Sonography/Patient Care	2
DMS 130	Pelvic Sonography	1
DMS 130 L	Pelvic Sonography Lab	1
DMS 140	Abdominal Sonography	3
DMS 140 L	Abdominal Sonography Lab	1
<b>Credits</b>		<b>12</b>

<b>Semester 4</b>		
SUMMER REQUIRED		
DMS 105	Introduction to Clinical Practicum II	1
DMS 150	Sonographic Principles and Instrumentation I	1

DMS 160	1st Trimester Obstetric Sonography	1
DMS 165	2nd/3rd Trimester Obstetric Sonography	1
<b>Credits</b>		<b>4</b>
<b>Semester 5</b>		
General Elective - Choose One of the Following		3
COMM 1115G	Introduction to Communication	
COMM 1130G	Public Speaking	
ENGL 2210G	Professional & Technical Communication	
DMS 170	Clinical Practicum I	1
DMS 230	Gynecologic Pathology	2
DMS 240	Abdominal Pathology I	2
DMS 250	Sonographic Principles and Instrumentation II	3
<b>Credits</b>		<b>11</b>
<b>Semester 6</b>		
DMS 180	Clinical Practicum II	4
DMS 226	Sonographic Case Studies I	1
DMS 245	Abdominal Pathology II	2
DMS 248	Pediatric Sonography	2
DMS 290	Small Parts & Superficial Structures	2
<b>Credits</b>		<b>11</b>
<b>Semester 7</b>		
SUMMER REQUIRED		
DMS 227	Sonographic Case Studies II	1
DMS 270	Clinical Practicum III	3
<b>Credits</b>		<b>4</b>
<b>Semester 8</b>		
DMS 260	High Risk Obstetric Sonography	3
DMS 280	Clinical Practicum IV	5
DMS 291	Registry Preparation: OB/GYN	1
DMS 292	Registry Preparation: Abdomen	1
<b>Credits</b>		<b>10</b>
<b>Total Credits</b>		<b>73</b>

## Course Fees

In addition to tuition, a fee of \$200 is charged for each of the following courses: DMS 170, DMS 180, DMS 270 and DMS 280.

Prefix	Title	Credits
DMS 170	Clinical Practicum I	1
DMS 180	Clinical Practicum II	4
DMS 270	Clinical Practicum III	3
DMS 280	Clinical Practicum IV	5