

## DIAGNOSTIC MEDICAL SONOGRAPHY

### Associate in Applied Science A.A.S.: Diagnostic Medical Sonography Degree

This 70.5 credit-hour program prepares the graduate to be a diagnostic medical sonographer. A diagnostic medical sonographer is a highly skilled professional who uses specialized ultrasound equipment to record visual images of internal structures of the abdomen, pelvis and neck. They work in hospitals and outpatient settings producing these ultrasounds to assist the physician in diagnosing disease. This degree program prepares the graduate to secure their American Registry of Diagnostic Medical Sonography credentials and entry-level work in the abdomen and obstetrics/gynecology specialty areas. The graduate also receives instruction in vascular sonography. A clinical hospital experience in abdominal, small parts, vascular, obstetrical and gynecological ultrasound is provided.

Because of the nature of clinical experiences and individualized instruction required in this program and specialized technology and the equipment necessary to offer this program, a higher tuition rate is assessed for career-specific courses, including courses with the DMS prefix. Students pay 1.5 the regular rate of tuition.

Admission Requirements:

Diagnostic Medical Sonography is a limited enrollment program. For admission requirements, please contact the Admissions Outreach Office at 847.925.6700 or visit [harpercollege.edu](http://harpercollege.edu).

Students who apply for this limited enrollment program are obligated to meet current admission requirements and follow program curriculum as defined at the time of acceptance to the program.

F = Fall only course S = Spring only course U = Summer only course

### PREREQUISITES:

A grade of C or better in all coursework is required for all students.

Number	Course Title	Credits	Course Category
BIO 260	Human Anatomy <sup>1</sup> .....	4	AAS General Education
BIO 261	Human Physiology <sup>1</sup> .....	4	AAS General Education
ENG 101	Composition I .....	3	AAS General Education
	Mathematics <sup>2</sup> .....	3	AAS General Education
PHY 100	Basic Concepts in Physics <sup>3</sup> .....	3	AAS General Education

### FIRST SEMESTER:

A grade of C or better in all coursework is required for all students.

Number	Course Title	Credits	Course Category
DMS 105	Ultrasound Physics/Instrumentation I .....	2	Program Requirement
DMS 107	Sonography Theory I .....	2	Program Requirement
DMS 109	Sonography Lab I <sup>4</sup> .....	1	Program Requirement
HSC 112	Medical Terminology .....	2	Program Requirement
HSC 165	Basic Pharmacology .....	1	Program Requirement
	Humanities or Social and Behavioral Science <sup>+</sup> .....	3	AAS General Education

### SECOND SEMESTER:

A grade of C or better in all coursework is required for all students.

Number	Course Title	Credits	Course Category
DMS 106	Ultrasound Physics/Instrumentation II .....	2	Program Requirement
DMS 108	Sonography Theory II .....	2	Program Requirement
DMS 110	Sonography Lab II <sup>4</sup> .....	1	Program Requirement
HSC 104	Health Care Technology and Informatics .....	2	Program Requirement
HSC 213	Legal and Ethical Issues in Health Care .....	2	Program Requirement
SPE 101	Fundamentals of Speech Communication .....	3	AAS General Education

### SUMMER SESSION (Optional):

A grade of C or better in all coursework is required for all students.

Number	Course Title	Credits	Course Category
DMS 112	Sonography Lab III <sup>5</sup> (U) .....	1	Optional Course

### THIRD SEMESTER:

A grade of C or better in all coursework is required for all students.

Number	Course Title	Credits	Course Category
DMS 201	Introduction to the Medical Sonography Clinical .....	2.5	Program Requirement
DMS 204	Abdominal and Small Parts Sonography Theory I .....	4	Program Requirement
DMS 205	Obstetrical and Gynecological Sonography Theory I .....	3	Program Requirement
DMS 206	Medical Sonography Lab I .....	2	Program Requirement

**FOURTH SEMESTER:**

A grade of C or better in all coursework is required for all students.

Number	Course Title	Credits	Course Category
DMS 207	Medical Sonography Clinical I <sup>6</sup> .....	5	Program Requirement
DMS 208	Abdominal and Small Parts Sonography Theory II .....	4	Program Requirement
DMS 209	Medical Sonography Lab II <sup>4</sup> .....	2	Program Requirement
DMS 210	Obstetrical and Gynecological Sonography Theory II .....	3	Program Requirement

**SUMMER SESSION:**

A grade of C or better in all coursework is required for all students.

Number	Course Title	Credits	Course Category
DMS 211	Medical Sonography Clinical II <sup>6</sup> .....	5	Program Requirement
DMS 260	Advanced Sonography Seminar <sup>5</sup> .....	1	Optional Course

- 1 Must be completed no earlier than five years prior to beginning the DCS program; time requirement may be waived for direct patient care providers with a minimum of a two-year allied health care degree.
- 2 MTH 165 is recommended. MTH 101, 103 or higher with a grade of C or better may be substituted.
- 3 PHY 110 or PHY 121 or higher with a grade of C or better may be substituted.
- 4 Every credit hour of sonography lab requires a minimum of 2 hours per week sonography lab practice.
- + Students need to choose a course to meet this requirement that also fulfills the World Cultures and Diversity graduation requirement. See full list of [AAS General Education Electives](#).
- 5 This course is optional and not required for graduation.
- 6 Assignments will be based on site availability.