



## **Diagnostic Medical Sonography AAS**

Information and Application Packet 2023-2024

### **Program Description**

The Diagnostic Medical Sonography program provides the knowledge that will enable students to enter the workforce as entry-level technologists. The didactic and clinical learning experience courses require *approximately 40 hours of participation per week in the second year of the program.*

Educational facilities located within Schoolcraft College include state-of art classroom and clinical training resources designed to promote an exceptional educational experience.

Successful completion of the program requirements allows graduates to sit for the American Registry in Diagnostic Medical Sonography (ARDMS) exam.

### **Application Requirements**

The Diagnostic Medical Sonography Program requires students to complete a specific list of requirements before being officially admitted into the program. Students are listed in a pre-program code while the application requirements are being met. The full program start date and implementation of program code may be dependent on space availability. Requirements are listed in the application (attached to the end of this packet). To be admitted to the program you must complete the following:

## ***Preparing to apply to the Diagnostic Medical Sonography Program***

1. Apply to Schoolcraft College
2. Send official transcripts
3. Meet with Academic Advisor
4. Complete: HIT 100 – Intro to Medical Terminology (2.5+)
5. Complete: DMS 100 - Introduction to Diagnostic Medical Sonography (3.0+)
6. Complete: MATH 102 or 113+ (3.0+)
7. Complete: BIOL 236 Human A & P (3.0+) or BIOL 237-238 (3.0+)
8. Complete: PHYS 123 Applied Physics (3.0+)
9. Complete: COMA 103 Fundamental of Speech (3.0+)
10. Achieve minimum scores on TEAS entrance exam taken at Schoolcraft College
11. Attain a 2.5/C+ or better cumulative grade point average
12. Attend informational meeting
13. Complete 20 volunteer hours

### ***Applying to the Diagnostic Medical Sonography Program***

Complete Diagnostic Medical Sonography application with Academic Advisor

### ***Acceptance to DMS and prior to starting the Diagnostic Medical Sonography Program:***

- Acceptance letters will be sent out to all accepted students.
- All accepted students will start Diagnostic Medical Sonography coursework in the Spring semester.

***Begin Diagnostic Medical Sonography program***

## Preparing to Apply to the Diagnostic Medical Sonography Program (DMS)

<b>1. Apply to Schoolcraft College</b>	Apply to Schoolcraft College on-line at <a href="http://www.schoolcraft.edu">www.schoolcraft.edu</a>
<b>2. Transcripts</b>	It is recommended you request official undergraduate transcripts from all colleges and universities previously attended. Transcripts must be sent directly from the issuing college or university to Schoolcraft College Records Office. To confirm that transcripts have been received, contact the Answer Center & Help Line at 734-462-4426.
<b>3. Advising</b>	<p>The Diagnostic Medical Sonography program requires minimum assessment levels of course work in the areas of math, reading, and writing. Students should meet with an academic advisor to develop an academic plan. Students with prior college level work or a degree may be exempt from general college placement testing. Students who have submitted ACT or SAT scores that are less than three years old to the Admissions Office may also be exempt from assessment testing. Contact the Academic Advising Center at 734-462-4429 to make an appointment to discuss an academic plan and preparation for the TEAS (DMS entrance) exam.</p> <p>Diagnostic Medical Sonography students should possess and maintain the following to be able to adequately communicate, make decisions, manipulate equipment, perform procedures, and provide indirect or direct quality care for clients in a variety of healthcare settings:</p> <ol style="list-style-type: none"> <li>1. Sufficient intellectual, psychological, and emotional capabilities</li> <li>2. Sufficient capacity to concentrate for sustained periods of time</li> <li>3. Sufficient communication skills</li> <li>4. Sufficient visual acuity</li> <li>5. Sufficient auditory perception</li> <li>6. Sufficient gross and fine motor coordination</li> <li>7. Sufficient physical abilities and strength required to push, pull, transfer or move objects up to approximately 35 pounds utilizing safe patient handling techniques</li> <li>8. Sufficient physical stamina to remain standing for long periods of time</li> </ol> <p>Students potentially needing accommodations may review further information at <a href="http://www.schoolcraft.edu/dss/disability-support-services">http://www.schoolcraft.edu/dss/disability-support-services</a>. Students may also schedule an appointment with Disability Support Services at 734-462-4330 regarding options to ensure equal access to programs and activities.</p>
<b>4. College Prerequisites required for program entry</b>	<p>Complete:</p> <ol style="list-style-type: none"> <li>1. HIT 100 – Intro to Medical Terminology (2.0+)</li> <li>2. DMS 100 - Intro to Diagnostic Medical Sonography (3.0+)</li> <li>3. MATH 102 or 113+ (3.0+)</li> <li>4. BIOL 236 Human A &amp; P (3.0+) or BIOL 237 and 238 (3.0+)</li> <li>5. PHYS 123 Applied Physics (3.0+)</li> <li>6. COMA 103 Fundamentals of Speech (3.0+)</li> <li>7. Overall GPA 2.5+</li> </ol> <p><i>There are no expiration dates for acceptable BIOL courses.</i></p>

## Preparing to Apply to the Diagnostic Medical Sonography Program - Continued

<p><b>5. Admission Exam</b></p>	<p>The ATI TEAS Exam (Test of Essential Academic Skills) is a multiple-choice exam that must be taken using the online version. The TEAS Exam includes:</p> <ul style="list-style-type: none"> <li>○ 31% Reading: Key Ideas &amp; Details (15%), Craft &amp; Structure (9%), Integration of Knowledge &amp; Ideas (7%)</li> <li>○ 16% English and Language: Convention of Standard English (6%), Knowledge of Language (6%), Vocabulary Acquisition (4%)</li> <li>○ 31% Science: Human Anatomy &amp; Physiology (21%), Life &amp; Physical Science (5%), Scientific Reasoning (5%)</li> <li>○ 22% Mathematics: Number &amp; Algebra (16%), Measurement &amp; Data (6%)</li> <li>○ <b>Minimum TEAS Exam scores required are: Composite: 60% (Adjusted Individual Total Score), 68% Reading, 60% English, 60% Math, 50% Science.</b></li> </ul> <p>Achieve the required minimum scores on the <u>ONLINE</u> TEAS Exam (Test of Essential Academic Skills) within two attempts. Students may take the TEAS exam a maximum of 2 times within a 12-month period. The highest score for each section of the two attempts will be accepted. Ex: Students may not take a third attempt until the first test date attempt expires. The maximum number of attempts on the TEAS exam is four (4) attempts overall. Students must complete all sections of the TEAS Exam with maximum effort on each attempt for scores to be accepted and composite score must still be 60% or higher.</p> <p>TEAS online exam scores are not accepted from other institutions. All TEAS testing will need to be taken in person at the Schoolcraft College Testing Center.</p> <p>Students who may need academic testing accommodations should meet with the Disability Support Services Office (734-462-4330) <u>prior</u> to taking the TEAS exam to determine potential accommodations.</p> <p>The Schoolcraft College Personal and Professional Learning Department has a preparation course available to assist with test success <a href="http://www.schoolcraft.edu/PPL">http://www.schoolcraft.edu/PPL</a> and the ATI website also has study materials and practice exams available. The Schoolcraft College Learning Support Services department also provides free personalized TEAS prep plans for success through one-on-one and group formats. To inquire about support for the TEAS, please contact <a href="mailto:teasprep@schoolcraft.edu">teasprep@schoolcraft.edu</a> (734-462-7359).</p> <p>TEAS Exam attempts at Schoolcraft College must be scheduled in advance. Fees paid are non-refundable and non-transferrable. Students needing to change testing dates will need to pay the full fee. Obtain more information regarding the TEAS exam: <a href="https://www.schoolcraft.edu/testingcenter/teas">https://www.schoolcraft.edu/testingcenter/teas</a></p>
<p><b>6. Cumulative GPA</b></p>	<p>Attain a 2.5/C+ or better <i>cumulative</i> grade point average for all Diagnostic Medical Sonography program supportive and prerequisite courses.</p>
<p><b>7. Volunteer Hours</b></p>	<p>Complete 20 hours of volunteer hours. Must be in a hospital or nursing home. (see page 13 for hours verification document)</p> <p>Must be verified by program director.</p>
<p><b>8. Information Session</b></p>	<p>Attend Diagnostic Medical Sonography program information session. Sessions will be held in Fall and Winter semesters.</p>

## Applying to DMS

<p><b>9. Apply to Diagnostic Medical Sonography</b></p>	<p>The Diagnostic Medical Sonography program application is attached to the end of this packet (Attachment A).</p> <p>Complete the student portion of the application and meet with an academic advisor for academic planning and to sign off on the application. The academic advisor will submit the application packet to the program administrators. Applications are reviewed on a continual basis, students will receive an acceptance letter via email from the Medical Imaging Department that states the year, and cohort the student will be able to start the Diagnostic Medical Sonography program. Students who do not respond to correspondence by deadlines will be cancelled by the Medical Imaging Department.</p> <p>All required prerequisites must be completed (with final course grade on transcript) <b>prior to submitting application.</b></p>
<p><b>10. Hepatitis B Vaccine</b></p>	<p>Students who do not have the Hepatitis B vaccine three shot series already completed should begin the series while waiting to start the Diagnostic Medical Sonography program.</p>
<p><b>11. CPR Course for Healthcare Professionals</b></p>	<p>Students should wait to complete an American Heart Association Basic Life Support course for Professional Healthcare Providers until approximately 2 months prior to clinical rotations in the Diagnostic Medical Sonography program. Students need to complete a course that includes an in-person demonstration of the performance skills (adult, child, infant and AED use). 100% online courses are not accepted.</p>
<p><b>12. Other Diagnostic Medical Sonography Program Requirements</b></p>	<p>Students will be emailed additional information about Orientation sessions and other health/clinical/program requirements prior to student's program start date. Correspondence will only be sent to Schoolcraft College email.</p>

## Acceptance to DMS and prior to starting the Diagnostic Medical Sonography Program

- The order of acceptance of qualified applicants will be based on the date the College receives a **valid** application. An application is **valid** only if **all** of the requirements listed in this document have been met.
- Any incomplete applications received from a student will be returned. Applications may be resubmitted when all of the requirements have been met.
- In the event more than one qualified student applies on the same day and time, the applications will be ordered based on highest cumulative grade point average in the prerequisite/supportive courses.
- Accepted students will be emailed an information packet from the Medical Imaging department to Schoolcraft College email only. Students are responsible for maintaining current contact information for all college communications. Students should get their college email forwarded to their primary email so as not to miss any communications.
- Students may defer their admission only one time, otherwise, the student will need to reapply and meet the application requirements at that time.
- Students who do not meet Medical Imaging department deadlines or have been accepted to the program and then are “no call, no show” to start the program, will be cancelled and not eligible to reapply to the program in the future.
- After one week of Spring semester start date for Spring start cohorts, preference will be given for students to be pulled up to spots vacated, with students who have completed the DMS 100 Introduction to Diagnostic Medical Sonography OR are currently enrolled in this course and have current passing status.  
(Requirements subject to change. Students will be sent emails with requirements to Schoolcraft College emails only.)
- Participate in a mandatory Diagnostic Medical Sonography student informational session to discuss educational goals, learning techniques/strategies, and recommendations for success in the program by Medical Imaging department deadline dates.
- Mandatory volunteer hours - must provide documentation of hours signed by the supervisor.

### REQUIREMENTS PRIOR TO DMS PROGRAM CLINICAL ROTATIONS

- Complete all health/clinical placement requirements and provide documentation including a health questionnaire/physical exam (dated within the last 12 months from the fall start of the Diagnostic Medical Sonography program), TB testing, immunization records including Measles, Mumps, Rubella (MMR), Tetanus, diphtheria, Pertussis (TdaP), Varicella (chicken pox), Hepatitis B, flu vaccine (in season), COVID vaccine, a negative urine drug screen on first attempt (marijuana use is still prohibited), and pass a criminal background check by DMS office.
- Drug screens may need to be repeated throughout the program as required by clinical agencies. Students will also need to meet any other future health/clinical/agency requirements as specified by the agencies.
- An authorization to register is only issued by the Medical Imaging department upon completion of the any specified requirements

## Begin Diagnostic Medical Sonography

### SAMPLE SCHEDULE OF COURSES

Admission Prerequisites and Supportive Courses\*

#### First Year-Fall Semester

Course #	Course Title	Credits
HIT 100*	Introduction to Medical Terminology	2
COMA 103*	Fundamentals of Speech	3
Mathematics*	Select one	4
MATH 102	Technical Mathematics	
MATH 113 or a higher math course	Intermediate Algebra for College Students	
BIOL 236*	Human Anatomy and Physiology	5
	Total Credits: 13-17	

**First Year – Winter Semester**

Course #	Course Title	Credits
DMS 100*	Introduction to Diagnostic Medical Sonography	3
PHIL 257	Bioethics	3
PHYS 123*	Applied Physics	5
<b>Social Science</b>	Select Any General Education Social Science. Recommended courses are listed below	3-4
ANTH 112	Introduction to Anthropology	
GEOG 133	World Regional Geography	
PSYCH 201	Introductory Psychology	
SOC 201	Principles of Sociology	
SOC 205	Social Problems	
SOC 209	Marriage and Family	
SOC 210	Cultural Diversity	
SOC 220	Urban Sociology	
	Total Credits: 14-15	

**First Year—Spring/Summer Session**

Course #	Course Title	Credits
DMS 110**	Sonography Physics and Instrumentation	4
DMS 116**	Cross-Sectional Anatomy in Sonography	3
DMS 152**	Sonography Lab 1	2
<b>English</b>	Select One	3
ENG 101	English Composition 1	
ENG 102	English Composition 2	
	Total Credits: 12	

**Second Year – Fall Semester**

Course #	Course Title	Credits
DMS 120**	Abdominal Sonography	3
DMS 202**	Sonography Lab 2	2
DMS 212**	Sonography Clinical 1	3
-	Total Credits: 8	

**Second Year – Winter Semester**

Course #	Course Title	Credits
DMS 220**	Sonography Clinical 2	6
DMS 162**	Obstetrical Sonography	3
DMS 166**	Gynecological Sonography	2
	Total Credits: 11	

**Second Year –Spring Semester**

Course #	Course Title	Credits
DMS 230**	Sonography Clinical 3	6
DMS 252**	Advanced Sonography	3
	Total Credits: 9	

**Diagnostic Medical Sonography PROGRAM TOTAL = 67-72 CREDITS**

Students, who are unsuccessful with any DMS course, may not continue in the Diagnostic Medical Sonography program.

◆Students should work with an advisor if more credits are needed per semester to qualify for financial aid.

+Please check Schoolcraft General Education requirements to determine course options.

**PLEASE NOTE:** The Diagnostic Medical Sonography program and application requirements are subject to change based on CAAHEEP accreditation standards, curricular changes, Institutional policy, and program needs. Students are responsible for checking for any admission updates.

## Open/Supporting Courses

Admission to the Diagnostic Medical Sonography Program is not necessary to register for the course listed below. The following course is open to all Schoolcraft students who have met the course prerequisite(s) (see the College Catalog).

DMS 100 Introduction to Diagnostic Medical Sonography

## Estimate of Tuition and Fees

<b>Diagnostic Medical Sonography</b> AAS Program (68 credit hours)			
	<u>Resident</u>	<u>Non-Resident</u>	<u>Out of State</u>
<b>Tuition:</b>	\$9,180.00	\$13,192.00	\$18,224.00
<b>Registration Fees:</b>	\$264.00	\$264.00	\$264.00
<b>Service Fees:</b>	\$612.00	\$612.00	\$612.00
<b>Instructional Equipment Fees:</b>	\$680.00	\$748.00	\$748.00
<b>Infrastructure Fees:</b>	\$612.00	\$612.00	\$612.00
<b>Course and Learning Management Fees:</b>	\$2,502.00	\$2,502.00	\$2,502.00
<b>Additional Expenses (approximate)</b>	\$350.00	\$350.00	\$350.00
ACE MAPP (Clinical website) - \$100 CPR \$60 Drug Screen - \$40 Background check- \$50 Trajecsys (online documentation system) \$100			
<b>TOTAL</b>	<b>\$14,200.00</b>	<b>\$17,930.00</b>	<b>\$22,962.00</b>
The above figures are based on 2023-2024 rates and are subject to change. A Resident student is one whose legal residence is in the school District of Clarenceville, Garden City, Livonia, Northville, Plymouth-Canton, or parts of Novi. All other students are Non-Residents or Out of State. Estimate of textbooks not included.			

## Note

Requirements for admission to the Diagnostic Medical Sonography AAS are subject to change at any time. Please contact the Admissions and Welcome Center for updates of any applicable changes:

Phone: (734) 462-4683  
E-mail: [admissions@schoolcraft.edu](mailto:admissions@schoolcraft.edu)  
Web: [www.schoolcraft.edu](http://www.schoolcraft.edu)

*It is the policy of Schoolcraft College that no person shall, on the basis of race, color, national origin, gender, age, marital status, creed, or handicap, be excluded from participating in, be denied benefits of, or be subject to discrimination during any program or activity or in employment.*



This application is required for the Diagnostic Medical Sonography program. Review and meet **all** requirements on this application. (Program requirements are subject to change).

- 1) Completion of **all** sections of this application *with* signatures from an Academic Advisor. The Academic Advisor will submit the application to the Program Director.
- 2) Applications are accepted on a continuous basis. In the event several applications are received on the same date and time, the student with the highest GPA for the prerequisite courses will be admitted first.
- 3) Applications from a non-qualified student are returned and may be resubmitted **after** the admission requirements are complete.

**Section I: To be completed by student**

Demographic information on this application **must** match the information in the registration center Schoolcraft College.

**Name** \_\_\_\_\_  
Last Name First Middle Former (if applicable)

**Address** \_\_\_\_\_  
Number Street Apt. City State Zip + 4 Digit Code

**Cell Phone** ( ) \_\_\_\_\_ **Home Phone** ( ) \_\_\_\_\_

**Schoolcraft Email** \_\_\_\_\_ **Personal Email** \_\_\_\_\_

**Birth Date** \_\_\_\_\_  
Month /Day /Year

**SC Student ID #** \_\_\_\_\_ **or Social Security Number** \_\_\_\_\_  
(Last 4 digits)

It is the policy of Schoolcraft College that no person shall, based on race, color, national origin, gender, age, marital status, creed, or handicap, be excluded from participating in, be denied of the benefits of, or be subjected to discrimination during any program or activity or in employment.



**Section II: To be completed with Academic Advisor**

**THE ITEMS IN SECTION II ARE REQUIRED. MEET WITH AN ACADEMIC ADVISOR TO OBTAIN APPROPRIATE INITIALS/SIGNATURES.**

**Diagnostic Medical Sonography Program**

Limited Enrollment Application 2023-2024

*The Diagnostic Medical Sonography Program requires a Restricted Enrollment Program Change form. To begin this program, you must complete the following with an academic advisor.*

**BIOL 236 or equivalent. Complete Human Anatomy and Physiology with a grade of 3.0/B or higher. Biology 237 and 238 or the equivalent to these courses will meet this requirement with a grade of 3.0/B or higher.**

**Advisor Initials:**

**Date:**

has successfully completed  has successfully completed \_\_\_\_\_

BIOL 236 (3.0/B or higher) or ⇒ at \_\_\_\_\_ with a grade of \_\_\_\_\_

has successfully completed

BIOL 237 and BIOL 238 (both with a 3.0/B or higher) or ⇒

**HIT 100 or equivalent. Complete Introduction to Medical Terminology with a grade of 2.5/C or higher. HIT 104 with a grade of 2.5/C or higher will meet this requirement.**

**Advisor Initials:**

**Date:**

has successfully completed  has successfully completed \_\_\_\_\_

HIT 100 (2.5/C or higher) or ⇒ at \_\_\_\_\_ with a grade of \_\_\_\_\_

has successfully completed

HIT 104 (with a 2.5/C or higher) or ⇒

**DMS 100 Complete Introduction Diagnostic Medical Sonography with a grade of 3.0/B or higher.**

**Advisor Initials:**

**Date:**

has successfully completed

DMS 100 (3.0/B or higher)

**MATH 102, MATH 113, MATH higher than MATH 113, or equivalent. Complete Technical Mathematics or Intermediate Algebra for College Students with a grade of 3.0/B or higher. NOTE: must meet MATH prerequisite requirement for PHYS 123. MATH 111 is not an acceptable mathematics course in this program.**

**Advisor Initials:**

**Date:**

has successfully completed  has successfully completed \_\_\_\_\_

MATH 102 or 113 (3.0/B or higher) or ⇒ at \_\_\_\_\_ with a grade of \_\_\_\_\_

**COMA 103 or equivalent. Complete Fundamental of Speech with a grade of 3.0/B or higher.**

**Advisor Initials**

**Date:**

has successfully completed  has successfully completed \_\_\_\_\_

COMA 103 (3.0/B or higher) or ⇒ at \_\_\_\_\_ with a grade of \_\_\_\_\_

**PHYS 123 or equivalent. Complete Applied Physics with a grade of 3.0/B or higher.**

**Advisor Initials:** \_\_\_\_\_ | **Date:** \_\_\_\_\_

has successfully completed PHYS 123 (3.0/B or higher) or ⇒  has successfully completed \_\_\_\_\_ at \_\_\_\_\_ with a grade of \_\_\_\_\_

**CUMULATIVE COLLEGE GPA Attain a 2.5 or higher cumulative grade point average at Schoolcraft College.**

**Advisor Initials:** \_\_\_\_\_ | **Date:** \_\_\_\_\_

has a cumulative GPA of 2.5 or higher

**DMS ADMISSIONS TEAS EXAM** Achieve the required minimum scores on the online TEAS exam (Test of Essential Academic Skills) within two attempts per 12 months. Highest scores in each section on the two attempts will be accepted. Maximum number of overall attempts allowed is four (4) attempts. A third attempt may not be taken until the first attempt expires.

TEAS testing needs to be taken at the Schoolcraft College Testing Center. Scores will NOT be accepted from other institutions.

Students must complete all sections of the TEAS Exam with maximum effort on each attempt plus continue to meet the composite 60% with all attempts.

Minimum scores: **Composite 60% (Adjusted Individual Total Score), 68% Reading, 60% English, 60% Math, 50% Science.**

has achieved the minimum scores on the TEAS Online per requirements:

**Advisor Initials**

**Date**

--	--

1 <sup>st</sup> Attempt	Date:	Composite:	Reading:	Math:	Science:	English:
2 <sup>nd</sup> Attempt	Date:	Composite:	Reading:	Math:	Science:	English:

**Section III: Application to be signed by student and Academic Advisor**

**Academic Advisor Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Student Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**SUBMIT THIS DMS APPLICATION (with Advisor's initials and signature in all designated areas) to an Academic Advisor.** The Academic Advisor will submit the application to the office of Health Professions and the Program Director of the Diagnostic Medical Sonography program. Students will receive notification from the Program Director regarding acceptance and start date.

Return to:  
Schoolcraft College  
Office of Health Professions  
[healthprofessions@schoolcraft.edu](mailto:healthprofessions@schoolcraft.edu)  
734-462-4770

**To be verified by DMS Program Director**

Contact Kelly Warren at [kwarren@schoolcraft.edu](mailto:kwarren@schoolcraft.edu)

**Mandatory volunteer/work experience in a hospital/nursing home. Complete a minimum of 20 hours and must provide documentation of hours signed by Supervisor.**

**Mandatory Attendance at a Diagnostic Medical Sonography information session.**

*MANDATORY Volunteer/work experience in a hospital/nursing home. Complete a minimum of 20 hours and must provide documentation of hours signed by Supervisor.*

**Program Director Initials:**

**Date:**

has completed documented volunteer hours.

*MANDATORY Attendance at a Diagnostic Medical Sonography information session*

**Program Director Initials:**

**Date:**

has attended an information session

**Documented Volunteer Hours – Schoolcraft DMS Program**

<b>Date</b>	<b>Hours Worked</b>

Location of volunteer hours \_\_\_\_\_

Student name \_\_\_\_\_

Supervisor Signature \_\_\_\_\_ Date \_\_\_\_\_

Supervisor email address: