St. Louis Community College
EXPANDING MINDS • CHANGING LIVES

Diagnostic Medical Sonography – Certificate of Proficiency Degree
Total Approved Hours Required: **43**
Revised October 2026

CAMPUS PROGRAM CONTACTS
Program Email: dmsprogram@stlcc.edu
Retention Coach: Amy Penick, apenick@stlcc.edu

PROGRAM OF STUDY: Pre-Entry Course Requirements. Any additional prerequisite coursework required to complete pre-entry courses are not factored into total program hours.

Selective Admissions to Health Science Programs Prerequisites

Rationale: Students who wish to declare a major in some health professions programs must meet minimum criteria to apply. Admission to a program in the School of Health Professions is selective due to availability and limitations of practicum sites and limitations in the number of students who can be accommodated in clinical groups. All students interested in this program should consult a Student Success Advisor at their campus of their choice. The programs in the School of Health Professions require clinical or field experience as part of the curriculum. A criminal background check, drug screen, and documentation of current immunizations are required (at the student's expense) for participation in clinical or other field experiences. Specific academic criteria for admission are on the second page of this document.

Application Requirements		Cr. Hrs.
BIO 111 or BIO 140 or CHM 101	Completion of Introductory Biology with a grade of "C" or higher **OR** completion of Principles of Biology I with a grade of "C" or higher **OR** completion of Fundamentals of Chemistry I with a grade of "C" or higher.	4-5
BIO 207**	Completion of Anatomy and Physiology I with a grade of "C" or higher.	4
BIO 208**	Completion of Anatomy and Physiology II with a grade of "C" or higher.	4
PHY 111 or PSI 101 or XRT 107***	Completion of College Physics I with a grade of "C" or higher **OR** Completion of Physical Science with a grade of "C" or higher **OR** Completion of Radiologic Physics I with a grade of "C" or higher.	2-4
MTH 160/S or MTH 110/S*	Completion of Precalculus Algebra or Precalculus Algebra w/ Support with a grade of "C" or higher **OR** Completion of Introductory Statistics or Introductory Statistics w/ Support with a grade of "C" or higher.	3-5
ENG 101 or ENG 102	Completion of College Composition I with a grade of "C" or higher **OR** Completion of College Composition II with a grade of "C" or higher.	3
HIM 101	Completion of Medical Terminology and Language with a grade of "C" or higher.	3
COM 101 or COM 107	Completion of Oral Communication I with a grade of "C" or higher **OR** Completion of Public Speaking with a grade of "C" or higher.	3

Program Requirements (must be completed with a "C" or higher):		
	First Semester	
DMS 127	Introduction to Sonography	3
DMS 103	Ultrasound Physics and Instrumentation I	2
DMS 112/105/119	Cardiac Sonography I/ Medical Sonography I/ Vascular Technology I	3
DMS 113/106/120	Cardiac Sonography Scanning Techniques I/ Medical Sonography Scanning Techniques I/ Vascular Technology Scanning Techniques I	2
DMS 114/107/121	Cardiac Sonography Practicum I/ Medical Sonography Practicum I/ Vascular Technology Practicum I	1
DMS 131/129/133	Fundamentals of Cardiac Sonography Scanning and Knobology/ Fundamentals **of** Medical Sonography Scanning and Knobology/ Fundamentals **of** Vascular Technology Scanning and Knobology	1
	Second Semester	
DMS 104	Ultrasound Physics and Instrumentation II	3
DMS 115/108/122	Cardiac Sonography II/ Medical Sonography II/ Vascular Technology II	3
DMS 116/109/123	Cardiac Sonography Scanning Techniques II/ Medical Sonography Scanning Techniques II/ Vascular Technology Scanning Techniques II	2
DMS 117/110/130	Cardiac Sonography Clinical Applications/ Medical Sonography Clinical Applications/ Introduction to Medical and Cardiac Sonography	3
DMS 118/111/125	Cardiac Sonography Practicum II/ Medical Sonography Practicum II/ Vascular Technology Practicum II	3
	Third Semester (Summer)	
DMS 207/202/212	Cardiac Sonography III/ Medical Sonography III/ Vascular Technology III	4
DMS 208/203/213	Cardiac Sonography Practicum III/ Medical Sonography Practicum III/ Vascular Technology Practicum III	2
	Fourth Semester	
DMS 217	Professional Development in Sonography	1
DMS 209/204/214	Cardiac Sonography IV/ Medical Sonography IV/ Vascular Technology IV	4
DMS 211/206/216	Cardiac Sonography Practicum IV/ Medical Sonography Practicum IV/ Vascular Technology Practicum IV	3
DMS 126	Introduction to Vascular Sonography (Medical and Cardiac ONLY)	3
DMS 215	Vascular Technology Clinical Applications (Vascular ONLY)	3
	Total Hours Required	43

*** Prerequisite courses may be retaken one time for a maximum of two attempts over a five-year period. Withdrawals *DO NOT* count as attempts.**
****BIO 207, BIO 208, PSI 101/PHY 111, and MTH 160/MTH 160S/MTH 110/MTH 110S must be completed within five years of applying to the program. If a student's math prerequisite was taken over 5 years ago, they may take the math placement test and do not have to retake the math prerequisite if the score is 264 or higher on Accuplacer Next-Gen QAS.**
***** Students who have graduated within the last 2 years from a JRCERT accredited Radiologic Technology program are not required to retake math or science courses that are more than 5 years old. All required courses and other prerequisites must have still been completed to be eligible to apply. Please visit the interactive class schedule for information regarding class times.**

Admission to St. Louis Community College does not guarantee admission to the Diagnostic Medical Sonography program. Below is a pre-entry checklist.

	General Pre entry Requirements for all Diagnostic Medical Sonography Program Tracks:	Check
1	**Application submitted for admission to STLCC.** Please visit www.stlcc.edu/apply.	
2	**Degree Seeking Status.** Official College Transcripts - An official transcript from each college attended must be sent directly from the college attended to the STLCC-Registrar's Office and be fully evaluated. Please visit https://stlcc.edu/admissions/apply-to-stlcc/transfer-students/transferring-credit-to-stlcc.aspx for more information.	
3	**Minimum associate's degree:** All applicants must be college graduates with a minimum of an associate's degree.	
4	**Minimum cumulative GPA of 3.0:** *Developmental courses (numbered below 100) completed at any institution will not be counted toward the minimum cumulative GPA. The minimum 3.0 GPA must be maintained while on the DMS applicant List. A minimum GPA of 2.0 must be maintained once enrolled into the DMS program.* • A minimum cumulative GPA of 3.0 is required across all college-level or coursework *OR* the most recent 45 credit hours.	
5	**Minimum science/math prerequisite GPA of 3.0:** All applicants must have completed the following college-level course prerequisites with a GPA of 3.0 or higher: • BIO 207: Anatomy and Physiology I • BIO 208: Anatomy and Physiology II • PHY 111: College Physics OR PSI 101: Physical Science OR XRT 107: Radiologic Physics • MTH 160/160S: Precalculus Algebra OR MTH 110/110S: Introductory Statistics	
6	**Introductory Science Prerequisite: BIO 111 OR BIO 140 OR CHM 101 completed with a grade of "C" or higher. *BIO 111 and BIO 140 and CHM 101 prerequisites:*** • Reading Proficiency or concurrent enrollment in RDG 079 (BIO 111) • MTH 140 or MTH 140S or MTH 160S with a grade of "C" or higher or placement into MTH 160, and Reading Proficiency (BIO 140) • MTH 109 or higher with a grade of "C" or higher, or placement into a higher math class, and Reading Proficiency (CHM 101)	
7	**Anatomy and Physiology I: BIO 207 completed with a grade of "C" or higher within 5 years prior to application. *Prerequisites:*** • BIO 111 or BIO 140 or CHM 101 or college-level course equivalent with a grade of "C" or higher and Reading Proficiency.	
8	**Anatomy and Physiology II: BIO 208 completed with a grade of "C" or higher. *Prerequisites:*** • BIO 207 with a grade of "C" or higher and Reading Proficiency.	
9	**College Physics I/ Physical Science/ Radiologic Physics I: PHY 111 OR PSI 101 OR XRT 107 completed with a grade of "C" or higher within 5 years prior to application. *PHY 111, PSI 101, and XRT 107 prerequisites*:** • MTH 160 or MTH 160S with a grade of "C" or higher and Reading Proficiency (PHY 111). • MTH 108 or MTH 140S with a grade of "C" or higher, or placement into MTH 110 or higher, and Reading Proficiency (PSI 101). • XRT 104 and XRT 111 with a grade of "C" or higher, concurrent enrollment in XRT 102, XRT 105, and XRT 112, and Reading Proficiency (XRT 107).	
10	**Math: MTH 160/MTH 160S completed with a grade of "C" or higher, OR MTH 110/110S completed with a grade of "C" or higher within 5 years prior to application. *MTH 110/110S and MTH 160/160S prerequisites:*** • MTH 140 or MTH 140S with a grade of "C" or higher or satisfactory score on placement test (MTH 160) • Satisfactory score on placement test and Reading Proficiency (MTH 160S) • Satisfactory score on placement test and Reading Proficiency (MTH 110) • Reading Proficiency (MTH 110S)	
11	**College Composition: ENG 101 OR ENG 102 completed with a grade of "C" or higher. *Prerequisites:*** • Satisfactory placement score on placement test or completion of ENG 030 or ENG 070 or EML 072 with a grade of "C" or higher or recommendation of department and Reading Proficiency or concurrent enrollment in RDG 079 (ENG 101). • ENG 101 with a grade of "C" or higher and Reading Proficiency (ENG 102).	

Admission to St. Louis Community College does not guarantee admission to the Diagnostic Medical Sonography program. Below is a pre-entry checklist. (page 2)

	General Pre-entry Requirements for all Diagnostic Medical Sonography Program Tracks:	Check
12	**Medical Terminology: HIM 101 completed with a grade of "C" or higher. HIM 101 *prerequisites*:** • Reading Proficiency	
13	**Oral Communication: COM 101 <u>OR</u> COM 107 completed with a grade of "C" or higher. *COM 101 and COM 107 prerequisites:*** • Concurrent enrollment in ENG 070 or Reading Proficiency (COM 101). • Reading Proficiency (COM 107).	
14	**Job Shadowing:** All applicants must provide documentation of a minimum of four (4) hours of career shadowing in a Sonography department. The career shadowing documentation form must be submitted at the time of application. Form is at the end of this document.	
15	**Patient Care Hours**: All applicants must submit documentation of a minimum of 40 hours of experience in a patient care setting. This experience can consist of volunteer service within a hospital or nursing home environment. The healthcare setting documentation must be submitted at the time of application. Form is at the end of this document.	
	When the above criteria have been met, students must submit a signed Diagnostic Medical Sonography application. The application must be signed by both the student and Student Success Advisor. Completed applications must be emailed to dmsprogram@stlcc.edu. Mailed or faxed applications will not be accepted or processed. All communication from the Diagnostic Medical Sonography program will be sent to *STLCC student email addresses only*. No communication will be mailed or faxed to students. *Admission and degree requirements are subject to change without advance notice.*	

St. Louis Community College

Diagnostic Medical Sonography Program
Job Shadowing Documentation

STLCC ID # | A | | | | | | | | | Name _____
(Last Name, First Name, MI)

Hospital/ Facility Name _____

Name of Supervising Sonographer _____

Phone Number (department) _____ Number of Shadowing Hours _____

Supervising Sonographer Signature _____

Please describe your observations, with emphasis on tasks performed by the sonographers you observed.

** Job shadowing must be completed within five (5) years prior to application.*

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Diagnostic Medical Sonography Program
Patient Care Hours Documentation

STLCC ID # | A | | | | | | | | |

Name _____
(Last Name, First Name, MI)

Hospital/ Facility Name _____

Name of Supervisor _____

Phone Number (department) _____ Number of Hours of Experience _____

Supervisor Signature _____

Please describe your experiences in a healthcare environment.

** Job shadowing must be completed within five (5) years prior to application.*

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