



APPLICATION FOR ADMISSION TO THE CARDIAC SONOGRAPHY PROGRAM

Spring 2026

One \$50.00 Application Fee per
12-month period to apply to any
AH program

Admission is not Guaranteed

JACKSON COLLEGE
ASSOCIATE in APPLIED SCIENCE CARDIAC SONOGRAPHY

NAME _____ JC STUDENT ID NUMBER _____

ADDRESS _____ DOB: _____

CITY _____ STATE _____ ZIP _____

HOME PHONE _____ CELL PHONE _____

JC EMAIL ADDRESS _____

The following items are required by the Allied Health office prior to entering the program:

- ☐ Jackson College Application
- ☐ Cardiac Sonography Advising Fact Sheet Signed and Completed
- ☐ Have you included Career Investigation? (see points sheet)
- ☐ Application Fee paid? Please attach receipt.
- ☐ Please attach any earned degrees/experience?
- ☐ Have you completed a job shadow? Please attach a letter confirming. (see points sheet)
- ☐ What are your geographical limitations? Please answer the following questions page 2 of the application.
 - 1. Commuting to a clinical site-** What are you willing to drive in a measurement of time from your place of residence to a clinical location?
 - 2. Relocating to a clinical site-** Are you willing to relocate to be closer to one of our clinical site locations in order to complete your clinical hours (for the duration of the program)? Relocation means you would be willing to reestablish residency in the geographical region of a clinical site. *All costs of relocating would be incurred by the student.*

- ☐ For each course listed below, please fill in an appropriate response:

Indicate your grade if you have completed the course OR indicate if you are currently enrolled.

***Students must meet the required credits for each prerequisite course transferred to JC**

A minimum grade of **2.0** is required in the following classes:

ENG 131 _____
*3 transfer credits

MAT 130 _____
*3-4 transfer credits

PSY 140 _____
*3 transfer credits

PHY 145 _____ or **PHY 131** _____
*Choose one PHY. 2 transfer credits

GEO 6* _____
*3 transfer credits

DMS 100 _____
*3 transfer credits

DMS 104 _____
*3 transfer credits

GEO 2** _____
*3 transfer credits

* GEO 6 - Choose one of the following: ART 111, ART 112, ENG 210, ENG 242, ENG 246, ENG 247, ENG 249, ENG 252, ENG 254, ENG 255, ENG 256, ENG 257, HUM 131, MUS 131, MUS 132, PHL 231, THR 116 ** GEO 2 – Choose one of the following: COM 231, COM 240, COM 250, HIS 211, HUM 131, PHL 243, PLS 262, PSY 152, SOC 152, SOC 246

A minimum grade of **2.5** is required in the following class(es):

BIO 132 _____ or
BIO 253 _____ & **BIO 254** _____
*Choose one BIO. 4 - 5 transfer credits

A minimum grade of **3.0** is required in the following classes:

MOA 120 _____
*2-3 transfer credits

HOC 130 _____
*3 transfer credits

Geographical Limitation: (Required)

Commuting to a clinical site – What are you willing to drive in a measurement of time from your place of residence to a clinical location (ONE WAY)? **Please circle or highlight preference.** $\frac{1}{2}$ Hour 1 Hour 1.5 Hours 2 Hours

Relocating to a clinical site – Are you willing to relocate to be closer to one of our clinical site locations in order to complete your clinical hours? Relocation means you would be willing to reestablish residency in the geographical region of a clinical site. (circle/highlight one): **YES NO**

Optional Points Earning Activities (Must be submitted by application deadline):

1. Job Shadow (observing in a Cardiac Sonography lab during a scheduled job shadow visit.) The 4-hour job shadow needs to be completed by September 15th. *(Submit this documentation along with your application. Documentation should be on organization's letterhead, signed and dated. Please include how long you observed.)*
2. Career Investigation. On a separate sheet of paper, please respond to the following: Professional organizations for cardiac sonographer are the ASE and SDMS. Write a one-page paper reflecting upon the benefits of belonging to these organizations. (Submit this documentation along with your application.)
3. Any degrees and/or work experience. In order to receive points for prior degrees earned or work experience, please attach a copy of the degree or proof of work experience. Work experience needs to be in the form of a letter from the employer on company letterhead, include a brief description of job duties, length of time employed, & signed to be counted.

My signature verifies that I have met all requirements for application to the Cardiac Sonography program; **(1) read, (2) understand, and (3) have initialed each TECHNICAL STANDARDS AND ESSENTIAL FUNCTIONS for Admission documents (see pages 8-11);** Cardiac Sonography Admission Process (pages 1 - 2 & 8 - 11); my admissions file is complete. I understand that this program is competitive with a limited number of seats awarded each program year. Minimum Grades and program requirements do not guarantee admission.

***All Students are required to meet with their student success navigator to verify that the requirements have been met for the program. The Navigator's signature verifies that the point system has reviewed with the applicant.**

_____	_____	_____
Student Signature	Date	Navigator Signature

Application form must be submitted directly to: YOUR STUDENT SUCCESS NAVIGATOR

Applications are only accepted from Student Success Navigators.

APPLICATION and TRANSCRIPT RECEIPT DEADLINE: SEPTEMBER 15th *(If the 15th is on a weekend, the deadline defaults to the following Monday)*

(CARDIAC SONOGRAPHY) FOR A SPRING SEMESTER PROGRAM START (JANUARY)

**CARDIAC SONOGRAPHY
ASSOCIATE IN APPLIED SCIENCE PROGRAM ADMISSION PROCESS**

Jackson College and the Allied Health Department are pleased that you are interested in the Associate in Applied Science Cardiac Sonography Program. The selection process was established to enhance student success in the Sonography curriculum and passing scores on the National Exam, American Registry of Diagnostic Medical Sonographers (ARDMS).

APPLICATION PROCEDURE - ALL Applicants must:

- 1) Be a high school graduate or successfully complete the G.E.D. test.
- 2) Submit a Jackson College application.
- 3) Forward to the Jackson College Admissions Office **ALL** transcripts from colleges previously attended. ***It is your responsibility to confirm that your transcripts are on file.*** (Allow 8–10 weeks for transcripts to be processed. All transcripts **MUST** be received by the application deadline. Failure to have all transcripts submitted timely to Jackson College may result in an incomplete Cardiac Sonography application).
- 4) Submit a completed Cardiac Sonography Advising Fact Sheet Form.
- 5) Submit a completed Jackson College Cardiac Sonography Program Application Form and pay admission fee. ***Submit the application directly to your Student Success Navigator. The application fee can be paid through the JC's Cashier's Office.***
- 6) All cardiac sonography applicants are required to meet the Technical Standards for Admission of the Allied Health Department and Technical Standards and Essential Functions required for the Cardiac Sonography Program.

APPLICATION REQUIREMENTS for the CARDIAC SONOGRAPHY PROGRAM

The Cardiac Sonography Program is an integrated didactic and clinical training program designed to prepare the student for employment in the field of Cardiac Sonography. After successful completion of the nationally recognized ARDMS or CCI registry exam, the graduate will be eligible to write the initials RDCS or RCS behind his/her name.

Admission Requirements and Process for the Cardiac Sonography Program

- 1) Students will have completed the prerequisite course work with a final grade of 2.0 - 3.0 or better in each course.

The following General Education and Pre-Requisite courses are required:

- | | | |
|----|-----------------------|---|
| 1. | ENG 131 | Writing Experience (3 credits) |
| 2. | MAT 130 | Quant Reasoning (3 – 4 credits) |
| 3. | PSY 140 | Intro to Psychology (3 - 4 credits) |
| 4. | GEO 6 ** | (3 credits) please review course choices below |
| 5. | PHY 145 or
PHY 131 | Introduction to Basic Physics
Conceptual Physics (3 credits) |
| 6. | GEO 2 * | (3 credits) please review course choices below |
| 7. | DMS 100 | Introduction to Diagnostic Medical Imaging (3 credits) |
| 8. | DMS 104 | Introduction to Sonographic Instrumentation (3 credits) |

***The following classes require a final grade of 2.5 or higher for admission consideration.**

- | | | |
|----|-------------------------------------|---|
| 9. | *BIO 132 or
*BIO 253 and BIO 254 | Human Biology (4 credits)
Human Anatomy and Physiology (4 - 5 credits) |
|----|-------------------------------------|---|

***The following classes require a final grade of 3.0 or higher for admission consideration.**

- | | | |
|-----|----------|--|
| 10. | *HOC 130 | Introduction to Health Occupations (3 credits) |
| 11. | *MOA 120 | Medical Terminology (2 - 3 credits) |

** GEO 6 - Choose one of the following: ART 111, ART 112, ENG 210, ENG 242, ENG 246, ENG 247, ENG 249, ENG 252, ENG 254, ENG 255, ENG 256, ENG 257, HUM 131, MUS 131, MUS 132, PHL 231, THR 116 * GEO 2 - COM 231, COM 240, COM 250, HIS 211, HUM 131, PHL 243, PLS 262, PSY 152, SOC 152, SOC 246

All applicants' academic records are evaluated by using a numerical point system. Entry into the Cardiac Sonography program is competitive. If a prerequisite course that is a "point counter" (see page 7) is not completed when the application is submitted, midterm grades will be accepted at the interview. It is the sole responsibility of the applicant to have their midterm grade verified by their instructor to receive points for the class. Students who submit AND are approved for Credit for Prior Learning will be awarded points equivalent to a 4.0 in the approved

class category. Consideration for the sonography program will still apply. All considered applicants will have a consultation (interview) with the JC Admissions Committee and if requested, the clinical site facility may also request an interview at the clinical site for final approval.

A. The Admissions Committee will be comprised of a minimum of three (3) of the following individuals:

Program Coordinator
Clinical Instructor
Clinical Coordinator
Medical Advisor
A Representative of JC Student Affairs Office
Any non-student member of the Sonography Advisory Committee

B. All considered applicants will be asked to respond to a similar set of questions during the consultation (interview) process.

C. All applicants will be scored by each member of the Admissions Committee and an average score is entered into the overall point tally for admission considerations. All considered applicants who live within a 200-mile radius of Jackson College may be required to come to the Jackson College central campus for this consultation process.

D. Following the interview, all accepted applicants will receive the location of their assigned clinical site and upon their acceptance of this clinical location and passing the background check and drug screen they will receive acceptance to the program.

2) A clinical education site must be arranged and approved for each applicant before final acceptance/admission into the program. Jackson College Program Director and Clinical Coordinator in collaboration with current, approved clinical sites, determine which clinical sites are available annually and how many open placements will be for the Jackson College sonography programs. Clinical site placement is based on annual clinical site availability and geographic location.

If you live within a 2-hour driving radius of another CAAHEP accredited program, you should apply to the local program. Visit www.caahep.org to find programs nearby.

Potential students can contact the Allied Health Department Coordinator to learn whether an affiliated clinical site is in their geographical area (city, town) at sonographyinquires@jccmi.edu. The email will be managed by the Allied Health Department Coordinator. The sonography program directors will also have access to the email inbox.

A student cannot identify and initiate a clinical affiliation partnership. Requests to initiate a clinical affiliation partnership are limited to clinical site personnel, program director or program clinical coordinator.

The clinical education site is a third-party entity into which students are placed for practical experience. Clinical staff employees are not paid JC faculty for the clinical education portion of the program. Clinical education sites can become unavailable for reasons beyond the control of Jackson College.

In the event a clinical education site becomes unavailable for any admitted student during the duration of the program, the following action will be taken:

1. A new, approved clinical education site will be provided to the student at an available location. **Commuting and/or relocation may be required.**
2. If a clinical education site is not available during the admission year, the student will be considered out of sequence and provided a clinical education site during the next admission cycle. **Commuting and/or relocation may be required.**

3) All **accepted** applicants will be required to submit a completed statement of health/physical condition. The completed physical statement needs to include medical history, physical exam results, and immunizations. This statement must be uploaded to ViewPoint Screening prior to any Cardiac Sonography student beginning their clinical education. Other requirements specified by the clinical sites will also have to be met.

Students who are not fully vaccinated against COVID-19—regardless of the reasons for their declination of being vaccinated, and even if such declination is predicated upon a legally-cognizable disability or a sincerely held religious belief—the student may not be able to: (1) participate in an externship/practicum/Capstone Field Internship experience; (2) complete the requirements and graduate from the program; (3) sit for any licensing or certification examinations in the profession; and (4) be employed in the profession.

4) All **accepted** Cardiac Sonography students must submit proof of Hepatitis B vaccination or a signed waiver. Some clinical sites may require qualified applications to submit to a background check and a drug screen. The check must have been completed no longer than six months prior to the start of the cardiac sonography program. The cost for the criminal background check is not covered by Jackson College. The completed report (with no active exclusions reported) must be

received by the JC Security office prior to any cardiac sonography student beginning the cardiac sonography program.

- 5) Jackson College does not pay for health physicals and/or any required vaccinations.
- 6) Understanding the Mandatory Preclinical Lab Course (DMS196) Requirement - All students admitted to the Jackson College DMS programs must complete the preclinical lab course (DMS196), which is delivered in the first semester of the program prior to the start of the clinical rotation. This is a face-to-face lab course delivered at Jackson College's Central Campus, in Jackson, Michigan. Students must complete the preclinical lab course (DMS196) on campus unless the student's assigned clinical site requests hosting the student for that experience. It should be noted that this is rare, and most clinical affiliates do not request this responsibility. The following circumstances will be considered to determine the eligibility of the hybrid delivery method of the preclinical lab course (DMS196) requirement:
 1. Clinical Site Request
 2. Review and confirm the clinical site's ability to facilitate educational needs and experience.
 3. Program Director approval

The following conditions must be met once eligibility status has been approved:

1. A clinical site must meet the minimum requirements of a clinical affiliate listed below:
 2. A current affiliation agreement
 3. Completed, submitted, and approved CC and CV forms by the clinical instructor
 4. Appropriately credentialed sonographers willing to facilitate the course requirements.
 5. The sponsoring clinical site must be willing to work with students to complete the preclinical lab course (DMS196) competencies for the course.
 6. A cleared background check, drug screen and physical health form including immunization forms must be updated in the Allied Health Office one month prior to the start of the course.
 7. Signed Clinical Instructor Acknowledgement (Contact the Program Director for this document)
- 7) The Cardiac Sonography Admissions process is nondiscriminatory in regard to race, color, religion, national creed, national origin or ancestry, age, gender, sexual preference, marital status, or handicap. All acceptance decisions will be based solely on neutral, objective criteria that are directly related to the applicant's qualifications and merit.

ACCEPTANCE PROCESS

- 1) The order of acceptance of qualified applicants will be based on points achieved. All prerequisites must be completed prior to starting the Cardiac Sonography program. It is recommended that courses that are "point counters" be completed prior to the interview.
- 2) If more than one qualified applicant achieves the same score in the Point System for the last remaining spot, the applicant with the highest overall Jackson College grade point average will be selected.
- 3) If you are not offered a space in the program and wish to be reconsidered for the next program year, you must re-submit another Program Application Form and the \$50.00 application fee for that program year. Your application and application fee will NOT automatically be rolled over.
- 4) Upon acceptance to the Cardiac Sonography Program, the applicant will complete the Health Certification Form and obtain American Heart Association (AHA) Healthcare Professional level CPR certification. This training includes infant, child, adult, 1 man – 2-man CPR and choking. This MUST be maintained and current for the duration of the program. Jackson College does not cover costs associated with criminal background checks, drug screens, health physicals, required vaccinations, or clinical management systems if applicable.
- 5) Notification of applicants' status into the Cardiac Sonography program will be made in November for the upcoming spring semester (January). If a student chooses not to accept their seat in the program for that year, he/she will need to reapply for the next year and compete with the other candidates for that year.
- 6) No student will be accepted into the program without an approved clinical education site with a fully executed education affiliation agreement, which must be completed by the first day of the first semester of the program.
- 7) Upon acceptance to the Cardiac Sonography Program, you will need to have access to a computer with the following minimum requirements:

Operating System*	64-bit Windows 10 or newer macOS 11 or newer (must be a 2017 model or newer)
Disk Storage	At least 2 GB free, up to a minimum of 5GB required depending on cases installed
Memory	Minimum 4 GB RAM; Recommended 8 GB RAM
Minimum screen resolution	1024×768
Input Ports	One USB port, directly accessible or via USB-C adapter**
Internet Connection	Broadband internet connection is required Speed Requirements: Minimum 1 Mbps; Recommended 10 Mbps or higher
Internet Browser	The three latest versions of the following browsers are supported: Google Chrome Mozilla Firefox Apple Safari Microsoft Edge

Students will be required to upload and download documents and attach documents to an email. You must be familiar with the operation of the above software.

APPLICATION and TRANSCRIPT RECEIPT DEADLINE:

September 15th (or the following Monday if the 15th falls on a weekend)
(Cardiac Sonography) for a Spring Semester program start (January)

CARDIAC SONOGRAPHY POINT SYSTEM

The selection process will be based on the following point system. The number of students selected into the Cardiac Sonography program is determined by how many clinical sites are available to host the JC student(s).

<u>Criteria</u>	Possible Points
Academic	
Previous degree earned (non-Allied Health degree) <i>Submit documentation of this degree with your application</i> Previous Allied Health degree <i>Submit documentation of the AH degree with your application.</i> Max of 3 Pts for this category.	YES = 1 No = 0 OR YES = 3 NO = 0
Allied Health Certification <i>(This includes successful completion of a Health Science program at HACC, JACC, LISD.)</i> <i>Submit certificate of completion or transcript. Max of 1 Pt for this category.</i>	YES = 1 No = 0
Allied Health experience Direct Pt Care Exp: This experience must be related to direct care of a patient. This may include transporting patients, taking patient vitals, phlebotomy, or assisting physicians in procedures in a professional setting. <i>Please provide a Professional Reference with verification of Allied Health Experience. (Please submit this documentation along with your application. Work experience needs to be in the form of a letter from the employer on company letterhead, including a brief description of job duties, length of time employed, & signed to be counted.) Max of 4 Pts for this category.</i>	Direct Pt Care Exp 1 - 2 years = 2 3 - 4 years = 3 Over 5 years = 4
DMS 100 Intro to Diagnostic Medical Imaging	3.0 = 1 3.5 = 2 4.0 = 3
BIO 132 or BIO 253 and BIO 254 Human Biology or Human Anatomy & Physiology	2.5 = 1 3.0 = 2 3.5 = 3 4.0 = 4
MOA 120 Medical Terminology	3.0 = 1 3.5 = 2 4.0 = 3
DMS 104 Intro to Sonographic Instrumentation	2.0 = 1 2.5 = 2 3.0 = 3 3.5 = 4 4.0 = 5
HOC 130 Intro to Health Occupations	3.0 = 1 3.5 = 2 4.0 = 3
Additional experience recommended, not required. HOC 135 -- with a grade of 3.0 or higher - Electrocardiography Technician	2
Job Shadow (observing in a Cardiac Sonography lab during a scheduled job shadow visit.) <i>(Submit this documentation along with your application.)</i>	Yes = 1 No = 0
Withdrawals or Repeats in Prerequisite Courses: 0 to 1 course - (Withdrawal, or Repeats) 2 to 3 courses - (Withdrawal, or Repeats) 4 or more courses - (Withdrawal, or Repeats)	0 - 1 = 4 2 - 3 = 2 4 + = 0
Interview	
Communication	2
Poise & Self Confidence	2
Critical Thinking	2
Professionalism	2
TOTAL Possible Points	41

TECHNICAL STANDARDS AND ESSENTIAL FUNCTIONS THAT ARE REQUIRED TO SUCCESSFULLY COMPLETE AN ASSOCIATE IN APPLIED SCIENCE DEGREE IN SONOGRAPHY

Diagnostic Medical Sonography (DMS) programs define technical standards and essential functions to ensure students possess the necessary abilities to fully engage in and succeed in all aspects of their respective programs. Students in the DMS Program are expected to meet the technical standards and essential functions outlined below, with or without reasonable accommodations. If an applicant or current student is unable to meet these standards, with or without reasonable accommodations, they may be denied admission or removed from the program.

The technical standards and essential functions described here represent the reasonable expectations for students in the DMS Program to perform common sonographic imaging tasks. Sonography students must demonstrate the knowledge and skills required to practice safe and effective use of ultrasound, adhering to the ALARA (As Low As Reasonably Achievable) principle, and function in a range of classroom, laboratory, and clinical environments while mastering the essential competencies of sonographic imaging. These standards apply to both admission and continued participation in the program.

The goal is to prevent aggravating an existing condition or jeopardizing the students, classmates, or client's safety or well-being. If at any point there are concerns regarding a health problem or disability, Jackson College reserves the right to require a medical release or physical examination. Students are responsible for the cost associated with the examination. Students are responsible for contacting instructors regarding concerns or risks related to their own healthcare needs.

TECHNICAL STANDARD AND ESSENTIAL FUNCTION DEFINITION	EXAMPLES OF SONOGRAPHY TECHNICAL STANDARDS AND ESSENTIAL FUNCTIONS
<p>Sensory</p> <p>Ability to actively engage in all demonstrations, lab exercises, and clinical experiences within the DMS program, and to assess and understand the condition of assigned patients for examination, diagnosis, and treatment.</p> <p>This typically requires effective use of visual, auditory, and tactile senses.</p>	<p>Recognize, interpret, and respond to facial expressions, body language, and monitor patient's physical and mental status during the scan.</p> <p>Hear soft or muffled voices under personal protective equipment (PPE) and monitor Doppler signals for diagnosing abnormal blood flow and pathological states.</p> <p>Work in a semi-darkened room for up to 8-12 hours.</p> <p>Scan using real-time sonography to differentiate normal anatomy from abnormal pathology.</p> <p>Vision is sufficient to distinguish shades of gray, color, and observe real-time diagnostic images, including ill-defined structures, borders, and 3D projections of anatomical and pathological entities.</p> <p>Use vision, hearing, smell, and touch to detect changes in patient condition and needs.</p> <p>Ability to recognize grayscale images on screens and operate ultrasound controls in low-light environments.</p> <p>Monitor vital signs and patient physical responses.</p>

	<p>Quickly respond to verbal instructions, patient needs, alarms, and codes.</p> <p>Identify normal and abnormal sonographic features of organs, tissues, and blood flow.</p> <p>Vision is sufficient to read and accurately complete reports and charts.</p> <p>Manipulate the transducer while observing real-time images and conducting diagnostic studies.</p> <p>Use touchscreens and keyboards for data entry.</p> <p style="text-align: right;">Student Initials</p>
<p>Communication</p> <p>Ability to communicate effectively in English through verbal, non-verbal, and written means with faculty, peers, patients, families, and all members of the healthcare team.</p>	<p>Gathers relevant patient information, responds to questions, interprets physician orders, and communicates sonographic findings to the interpreting physician in both verbal and written formats.</p> <p>Effectively elicits and transmits information to patients, staff, peers, instructors, and other healthcare team members.</p> <p>Able to receive, comprehend, write, and interpret verbal and written communication in both academic and clinical settings.</p> <p>Speech clear enough to be understood by faculty, clinical staff and patients with the ability to comprehend the communication of others.</p> <p style="text-align: right;">Student Initials</p>
<p>Motor</p> <p>Adequate motor skills to perform actions necessary for safe, effective care and emergency treatment.</p>	<p>Stamina and trunk strength to push and pull, bend and stoop routinely.</p> <p>Static and dynamic strength sufficient to lift some patients, move heavy equipment on wheels (up to approximately 500 lbs), and move patients in wheelchairs and stretchers.</p> <p>The ability to exert muscle force repeatedly or continuously over time (including walking, standing or being upright continuously for 8-12 hours).</p> <p>Ensures proper and safe patient positioning, and movement of the ultrasound unit and other equipment in all settings.</p> <p>Dynamic and trunk strength to perform sonographic scans/exams while sitting or standing 80% of the time (dependent on the clinical setting and/or situation).</p> <p>Full use of hands, wrists, and shoulders (arm-hand steadiness, control precision, dynamic flexibility, extent flexibility, finger dexterity, quickly move arms).</p> <p>Able to maintain prolonged arm positions needed for scanning (stamina, arm-hand steadiness).</p> <p>Demonstrates manual dexterity and fine motor movements to manipulate the ultrasound transducer and control panel simultaneously while achieving the diagnostic objective of the scan/examination (control precision, dynamic flexibility, extent flexibility, finger dexterity, and multi-limb coordination).</p>

	<p>Dynamic strength, stamina, static strength, control precision, and manual dexterity to exert and maintain adequate probe pressure (exert up to 40 lbs. of sustained/continuous pressure) necessary to acquire ultrasound images.</p> <p style="text-align: right;">Student Initials</p>
<p>Intellectual</p> <p>Ability to gather, interpret, and integrate information to make informed decisions.</p>	<p>Collect and assess relevant patient data to determine its significance for the requested sonographic scan or exam. Integrate the patient's medical history and current symptoms to select the appropriate protocol, customizing the sonographic procedure to meet the patient's specific needs.</p> <p>Possess sufficient psychological stability and knowledge of techniques and resources to respond appropriately and efficiently in emergent situations, minimizing potential dangers related to the patient or environment.</p> <p>Read, comprehend, retain, and apply relevant information from textbooks, medical records, and professional literature.</p> <p>Use professional judgment to modify the protocol as needed based on the patient's condition, optimizing the scan results.</p> <p>Demonstrate the ability to recognize and respond appropriately in emergency situations.</p> <p>Successful completion of the clinical and didactic components of the program requires the ability to learn technical, medical, and pathophysiological information.</p> <p>Apply acquired knowledge to new situations and problem-solving scenarios.</p> <p>Demonstrate effective clinical decision-making to perform sonographic scans in all clinical settings within required time frames, while adhering to the Sonography ALARA principle.</p> <p>Accurately measure, calculate, reason, analyze, and synthesize sonographic data during the scan and evaluate acquired images or video clips.</p> <p>Organize and execute each step of the sonographic procedure in the correct sequence.</p> <p>Interpret sonographic images, identify and resolve inconsistencies, correlate clinical information with findings, and make specific assessments based on established criteria.</p> <p>Notify the supervising physician if emergency care is required based on sonographic findings and the patient's condition.</p> <p>Determine whether contraindications, inadequate patient preparation, or the patient's physical or mental condition may affect their ability to tolerate the sonographic scan or procedure.</p> <p style="text-align: right;">Student Initials</p>
<p>Behavioral and Social Attributes</p> <p>Demonstrate the emotional health and stability necessary to fully utilize intellectual capabilities,</p>	<p>Manage fast-paced and demanding didactic and clinical schedules, meeting deadlines while performing sonographic scans in high-pressure environments, including during emergency situations.</p> <p>Complete daily tasks, including complex cases, emergency scans, and additional exams within the allotted time frames while adhering to the</p>

<p>exercise sound judgment, promptly complete all academic and patient care responsibilities.</p> <p>Foster mature, empathetic, and effective relationships with clients and other healthcare team members.</p> <p>Exhibit the ability to manage demanding workloads, perform effectively under stress, and adapt to evolving environments.</p> <p>Show flexibility, and thrive amid the uncertainties present in clinical settings with patients.</p> <p>Embody compassion, integrity, a genuine concern for others, and strong motivation.</p> <p>Demonstrate professional behaviors and maintain a robust work ethic.</p>	<p>Sonographic ALARA principle.</p> <p>Utilize feedback, self-assessment, and scanning critiques to continually improve sonographic knowledge and skills.</p> <p>Maintain sufficient psychological stability and knowledge of techniques and resources to respond efficiently and appropriately in emergent situations, minimizing potential risks to both the patient and the environment.</p> <p>Stay focused and on task during instruction and the performance of sonograms, even under stressful conditions, using sound judgment and adapting to rapidly changing or unpredictable circumstances.</p> <p>Exhibit integrity, compassion, interpersonal skills, and a genuine interest in learning and professional development.</p> <p>Balance personal responsibilities to maintain full focus on didactic and clinical course requirements, ensuring the patient remains the priority in all settings.</p> <p>Possess speech that is clear and intelligible to others, and the ability to comprehend communication from patients and healthcare professionals.</p> <p>Effectively communicate with patients and other healthcare team members.</p> <p>Collaborate with classmates to enhance professional qualities and technical scanning abilities.</p> <p>Students must be able to receive, value, and modify behavior through constructive criticism.</p> <p>Maintain a stable and professional demeanor in all settings and with all individuals, effectively managing emotional responses to evaluations and feedback.</p> <p>Adhere to the Sonographer Scope of Practice and Clinical Practice Standards as outlined by the Society of Diagnostic Medical Sonography (www.sdms.org).</p> <p style="text-align: right;">Student Initials</p>
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You must be able to perform each of these tasks with or without accommodations. If you require an accommodation due to a disability, it is your responsibility to provide documentation and formally request the accommodation. While the college will make every effort to meet reasonable accommodation requests, approval is not guaranteed.

Jackson College is dedicated to ensuring that qualified students with disabilities have equal access to its programs and services through reasonable accommodations. Students wishing to request accommodations are encouraged to contact the Center for Student Success to begin the process of documenting their disability and determining eligibility for services.

DMS students with disabilities are expected to fulfill all essential functions of the program with or without reasonable accommodations.

Although DMS programs strive to assist students requiring accommodations, it is important

to note that Program Director, faculty, and/or clinical facility reserve the right to challenge accommodation requests if they believe the student is not qualified or if the accommodation would fundamentally alter the course objectives or competencies.

Bibliography

Society of Diagnostic Medical Sonography

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American Society of Echocardiography

American Society of Echocardiography. *Guidelines for Cardiac Sonographer Education*. Retrieved from <http://www.asecho.org/wordpress/wp-content/uploads/2013/05/sonographereducation.pdf>

Society for Vascular Ultrasound

Society for Vascular Ultrasound. *SVU Guidelines for Undergraduate Educational Programs in Vascular Ultrasound*. Retrieved from https://higherlogicdownload.s3.amazonaws.com/SVUNET/c9a8d83b-2044-4a4eb3eccd4b2f542939/UploadedImages/Documents/SVU_Guidelines_for_Undergraduate_Educational_Programs.pdf

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Joint Review Committee on Education in Diagnostic Medical Sonography

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