



APPLICATION FOR ADMISSION TO THE CARDIAC SONOGRAPHY PROGRAM

Spring 2025

JACKSON COLLEGE
ASSOCIATE in APPLIED SCIENCE CARDIAC SONOGRAPHY

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

Admission is not Guaranteed

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
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GEO 6** _____ *3 transfer credits	DMS 100 _____ *3 transfer credits	DMS 104 _____ *3 transfer credits	COM 250 _____ *3 transfer credits
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** 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

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
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**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 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:

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|----|------------------------------|---|
| 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. | COM 250 | Intercultural Communication (3 credits) |
| 7. | DMS 100 | Introduction to Diagnostic Medical Imaging (3 credits) |
| 8. | DMS 104 | Introduction to Sonographic Instrumentation (3 credits) |

***The following classes requires 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) |
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***The following classes requires a final grade of 3.0 or higher for admission consideration.**

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|-----|----------|--|
| 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

- 2) 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.

- 3) All qualified applicants will have a consultation (interview) with the JC Admissions Committee.
- 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 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.
- 4) 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.**

- 5) 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.

- 6) 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.

7) Jackson College does not pay for health physicals and/or any required vaccinations.

8) All Cardiac Sonography applicants are required to participate in the Jackson College interview process.

9) **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:

A clinical site must meet the minimum requirements of a clinical affiliate listed below:

1. A current affiliation agreement
2. Completed, submitted, and approved CC and CV forms by the clinical instructor
3. Appropriately credentialed sonographers willing to facilitate the course requirements.
4. The sponsoring clinical site must be willing to work with students to complete the preclinical lab course (DMS196) competencies for the course.
5. 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.
6. Signed Clinical Instructor Acknowledgement (Contact the Program Director for this document)

10) 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.

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>	<u>Possible Points</u>
Academic	
Previous degree earned: <i>(submit documentation of this degree with your application) Max of 1 Pt for this category.</i>	Yes = 1 No = 0
Allied Health degree or Certification: <i>(This includes successful completion of a Health Science program at HACC, JACC, LISD.) Submit certificate of completion or transcript or documentation of the AH degree with your application. Max of 3 Pts for this category.</i>	Yes = 3 No = 0
Allied Health experience <i>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. Please provide a Professional Reference with verification of Allied Health Experience. (Please submit this documentation along with your application) Max of 4 Pts for this category.</i>	Direct Pt Care Exp 1 - 2 year = 2 3 – 4 years = 3 Over 5 years = 4 Indirect Medical Experience (other) 1 – 5 years = 1 Over 5 years = 2
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
Career Investigation On a separate sheet of paper please respond to the following: <i>Professional organizations for cardiac sonographers 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.)</i>	Yes = 1 No = 0
Interview	
Communication	2
Poise & Self Confidence	2
Critical Thinking	2
Professionalism	2
TOTAL Possible Points	38

**TECHNICAL STANDARDS FOR ADMISSION
ALLIED HEALTH DEPARTMENT
JACKSON COLLEGE**

The Allied Health Department faculty has specified the following non-academic criteria which applicants generally are expected to meet in order to participate in the Department of Allied Health Sciences programs and professional practice. These technical standards are necessary and essential and have been developed to provide for the health and safety of the patients receiving care from the Allied Health Department program students.

OBSERVATION – The applicant must be able to participate in all demonstrations, laboratory exercises and clinical practicum in the clinical component and to assess and comprehend the condition of all patients assigned for examination, diagnosis and treatment.

COMMUNICATION – The applicant must be able to communicate with patients to effectively elicit patient compliance, understand and assess non-verbal communications; and be able to effectively transmit information to patients, physicians, paraprofessionals, faculty and staff in a timely way.

PSYCHOMOTOR – The applicant must have motor functions sufficient to elicit information from patients by appropriate diagnostic or therapeutic maneuvers; be able to perform basic tasks; possess all necessary skills to carry out diagnostic or therapeutic procedures; be able to interpret movements reasonably required to provide general care and emergent treatment/actions as necessary for patient safety and comfort.

INTELLECTUAL / CONCEPTUAL INTEGRATIVE AND QUANTITATIVE ABILITIES – The applicant must be able to measure, calculate, reason, analyze, evaluate, and synthesize information and observations. Problem solving, the critical skill demanded of Allied Health Practitioners, requires all of these cognitive abilities. In addition, the applicant must be able to comprehend three-dimensional structures and understand the spatial relationships of these structures.

BEHAVIOR AND SOCIAL ATTRIBUTES – The applicant must possess the emotional health required for full utilization of intellectual abilities; execute appropriate medical judgment; the prompt completion of assigned or non-assigned responsibilities for care of and service to the patient; and the development of supportive and effective relationships with patients. Applicants must be able to tolerate physical and mental workloads, function effectively under stress, adapt to changing environments and conditions, display flexibility and function in the face of uncertainties inherent in the clinical setting and with patients. Compassion, integrity, concern for others, interest and motivation are personal qualities with each applicant should possess.

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

STANDARDS

FUNCTIONS

Vision sufficient to differentiate shades of gray and color and to observe diagnostic real-time images. Vision sufficient to delineate ill-defined structures, borders, anatomical structures and pathological entities in three-dimensional projections.	Scanning with real-time Sonography system for the purpose of delineating normal anatomical structures from abnormal pathological entities.
Vision sufficient to be able to read and accurately complete reports and charts.	Reading and completing of charts, reports and interpretation of requisitions.
Speech sufficient to be understood by others; ability to understand the communication of others.	Communicating with patients, and other health care professionals.
Hearing sufficient to differentiate Doppler signals.	Conduct Doppler studies of anatomical arterial and venous structures for the purpose of diagnosing abnormal blood flows and pathological states.
Vision and physical coordination sufficient to perform scanning tasks accurately, efficiently, and safely.	Manipulating of transducer while observing real-time image and conducting diagnostic study.
Sufficient fine motor functions and coordination to perform tasks involving manipulation of scan probes, instrument panels, patient position and safety.	Obtaining diagnostic real-time images for diagnostic interpretation.
Sufficient muscle strength, lower back and knee stability to handle patients in a safe manner.	Lifting and transferring of patients, physically assisting patients, moving and manipulation of ultra-Sonography systems.
Sufficient psychological stability and knowledge of techniques/resources to be able to respond appropriately and efficiently in emergent situations in order to minimize dangerous consequences either patient related, or environment related.	Recognizing and responding appropriately in emergency situations.
Ability to sit or stand for extended periods of time, up to 7-8 hours per day.	Scanning requires sitting or standing for extended periods of time.
Ability to learn technical, medical, and pathophysiological information.	Completion of clinical and didactic components of program requires ability to learn.

You need to be able to perform each of these tasks with or without accommodation. If an accommodation is necessary because of a disability, it is your responsibility to provide documentation and to request accommodation. The college will endeavor to satisfy requests for reasonable accommodations however it is not guaranteed.

APPLICATION and TRANSCRIPT RECEIPT DEADLINE:

September 15th (Cardiac Sonography) for a Spring Semester program start (January)