



# APPLICATION FOR ADMISSION TO THE COMPUTERIZED TOMOGRAPHY (CT) PATHWAY

FALL 2017

JACKSON COLLEGE  
PATHWAY FOR CT SCANNING

NAME \_\_\_\_\_ JC STUDENT ID NUMBER \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

HOME PHONE \_\_\_\_\_ CELL PHONE \_\_\_\_\_

EMAIL ADDRESS \_\_\_\_\_

**The following must be completed prior to entering the program:**

- ✓ Jackson College Application
- ✓ All documentation must be submitted by July 1<sup>st</sup>.
- ✓ 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.

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

RAD 209, and/or RAD 220 (with a minimum grade of 2.0)

***THIS PROGRAM IS COMPETITIVE. Minimum Grades DO NOT Guarantee Admission.***

**RAD 209** \_\_\_\_\_  
\*3 transfer credits

**RAD 220** \_\_\_\_\_  
\*4 transfer credits

*CT Clinical Education begins every fall semester. If you don't plan to complete your CT clinical education this 2017 fall semester, what year do you plan to complete your clinical education? \_\_\_\_\_*

My signature verifies that I have met all requirements for application to the CT Pathway program; read and understand the Technical Standards for Admission and the Technical Standards and Functions documents; CT Pathway Admission Process (pages 2, & 3); my admissions file is complete; and I have consulted with an Academic Advisor.

Student Signature \_\_\_\_\_ Date \_\_\_\_\_

**Application form must be submitted directly to:**

Jackson College  
Allied Health Office (JW 231)  
2111 Emmons Road  
Jackson, MI 49201

**APPLICATION and TRANSCRIPT RECEIPT DEADLINE:**

**July 1<sup>st</sup>, 2017** (COMPUTERIZED TOMOGRAPHY PATHWAY) FOR A FALL SEMESTER PROGRAM START (September)

## COMPUTERIZED TOMOGRAPHY PATHWAY ADMISSION PROCESS

Jackson College and the Allied Health Department are pleased that you are interested in the Computerized Tomography Pathway. The selection process was established to enhance student success in the Radiography curriculum and passing scores on the National Exam, American Registry of Radiologic Technologist (ARRT).

### APPLICATION PROCEDURE - ALL Applicants must:

- 1) Submit a Jackson College application.
- 2) Submit a completed Jackson College Computerized Tomography Pathway Application Form. *This application must be submitted directly to the Allied Health Office (JW 231).*
- 3) Be a high school graduate or successfully complete the G.E.D. test.
- 4) 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 radiography application).
- 5) Meet Technical Standards for Admission of the Allied Health Department and Technical Standards and Functions required for the Computerized Tomography Pathway.

### APPLICATION REQUIREMENTS for COMPUTERIZED TOMOGRAPHY PATHWAY

The Computerized Tomography Pathway is designed to prepare the student for employment in the field of diagnostic CT Imaging; positions are located within hospitals, medical clinics, and other diagnostic imaging institutions. Upon successful completion students are eligible to write the American Registry of Radiologic Technologists (ARRT) exams. Satisfactory completion of the ARRT board certifying exams allows the radiographer to use the initials of R.T.(R), Registered Technologist (Radiography).

#### **Admission Requirements and Process for the Computerized Tomography Pathway**

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

#### *The following Pre-Requisite courses are required:*

- |    |         |                                     |
|----|---------|-------------------------------------|
| 1) | RAD 209 | Cross-Sectional Imaging (3 credits) |
| 2) | RAD 220 | CT Fundamentals (4 credits)         |

All CT courses must be completed with a minimum GPA of 2.0 to be considered passing. All CT Imaging clinical practicum courses are subject to special scheduling dates which may not follow the traditional college semester calendar.

- 2) A clinical site must be arranged and approved for each applicant before final acceptance into the program. The clinical site is a third party entity into which students are placed for practical experience. JC cannot guarantee that a clinical site will always be available. Arrangement for such a site depends upon the college's ability to enter into a formal agreement with a proposed site. Students should not rely upon the availability of a clinical site in particular geographical location.

While JC uses its best efforts to negotiate clinical sites, even after they become available they can become unavailable for reasons beyond the control of JC and in that event JC has no liability.

- 3) All **accepted** applicants will be required to submit a completed Health Certification Form. This form includes: medical history, physical exam results, and immunizations. This statement must be received by the Allied Health office prior to any CT student beginning their clinical education.

- 4) All **accepted** CT students must submit proof of Hepatitis B vaccination or a signed waiver.

5) All **accepted** CT students must complete a fingerprint based criminal background check, as required by the agreements JC has with clinical sites. The check must have been completed no longer than six months prior to the beginning of this first clinical rotation. The cost for the criminal background check is the responsibility of the student. The completed report (with no active exclusions reported) must be received by the JC Security Office prior to any CT student beginning his/her clinical education.

Admissions process is nondiscriminatory in regards 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 the order of applications received. All prerequisites must be completed before an applicant can be considered for the CT Pathway.
- 2) If you are not offered a space in the program you have applied for and wish to be reconsidered for next year, you will be placed on a list and considered for the next program start.
- 3) Upon acceptance to CT Pathway Program, an applicant must complete the Health Certification Form and obtain Healthcare Professional level CPR certification. **This MUST be maintained and current while in the program.**
- 4) Notification of applicants' status in the CT Pathway program will be in August for the upcoming fall semester (September). If a student chooses not to accept their seat in the program for that year, he/she will need to notify the Allied Health Office.

**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 work loads, 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 THE  
COMPUTERIZED TOMOGRAPHY PATHWAY**

Beginning with the winter semester, Radiography students start their first clinical rotation. It is important for you to be made aware of the technical tasks and function requirements associated with the profession of Computerized Tomography.

**STANDARDS**

**FUNCTIONS**

1)	Sufficient motor skills and coordination to move and adjust equipment suspended from the ceiling at a height of up to six feet.	Reach overhead in order to move the Radiographic tube-head. Rotate the tube-head and manipulate the locks.
2)	Speech sufficient to be understood by others; ability to understand the communication of others.	Explain radiographic procedures and preparations to patients. Ability to instruct patients during the course of an examination.
3)	Ability that is sufficient to understand and follow verbal and written directions and information.	Receive reports and instructions for radiographic procedures from Radiologist and other physicians.
4)	Sufficient muscle strength, lower back and knee stability, to handle and carry equipment up to 20 pounds a distance of 20 feet.	Lift and carry grid cassettes, positioning devices, lead aprons, and other shielding devices needed in performing a radiographic procedure.
5)	Sufficient muscle strength, lower back and knee stability to handle patients in a safe manner. Sufficient physical coordination to move patients on gurneys, stretchers, and wheelchairs.	Assist in placing patients on and off of wheel chairs, stretchers, and gurneys. Transport patients from their hospital room to the radiology department and back.
6)	Sufficient muscle strength, lower back and knee stability to handle patients in a safe manner.	Move patients from a stretcher or wheelchair onto an exam table and from the exam table back to the stretcher or wheelchair. Move patients into various positions while on the exam table. Such motion requires leaning across a cart and reaching to the exam table while assisting to lift the patient as well as pulling and pushing on the patient.
7)	Sufficient muscle strength and physical coordination to move and guide the motion of heavy equipment on and off elevators, and over carpet.	Move non-motorized and motorized mobile x-ray and fluoroscopy machines to and from patients' rooms, the emergency room, and surgery.

## TECHNICAL STANDARDS AND FUNCTIONS – Continued

	<u>STANDARDS</u>	<u>FUNCTIONS</u>
8)	Vision sufficient to manipulate the buttons, handles, knobs, and keyboards associated with electronic and radiographic equipment.	Select exposure factors which include KVP, mAs, automatic exposure controls, focal spot size, density, cassette size and type which will result in a diagnostic radiograph.
9)	Sufficient vision and hearing to monitor the condition of the patient during the radiographic procedure.	Observe and care for the physical state/condition of the patient, while looking through shielding glass, under low light conditions.
10)	Vision sufficient to allow good accommodation in brightly lit, as well as, dimly lit environments.	Move from brightly lighted hallways and rooms into dimly lighted imaging rooms or darkrooms, to process radiographs.
11)	Sufficient hearing to distinguish typical from non-typical sounds created by operating radiographic equipment. Must be able to distinguish sounds while standing behind a lead wall in the control area.	Recognize the typical sounds of the moving bucky, rotating anode, switches and relays, which indicate that the equipment is functioning properly.
12)	Sufficient vision to discriminate between grey-scale tones associated with radiograph images and video display monitors.	Determine the technical quality of a radiograph by distinguishing structural differences derived by varying densities on a radiographic film or video monitor.
13)	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.
14)	Ability to learn technical medical and pathophysiological information.	Completion of the clinical and didactic components of the program requires the time and the 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:

**July 1<sup>st</sup>** (Computerized Tomography Pathway) for a Spring Semester program start September)