



***RADIOLOGIC TECHNOLOGY
PROGRAM***

**STUDENT HANDBOOK
&
POLICIES**

2023-2024

Revised: 08/22/2023 by Allyson Randel, BSRS, R.T. (R)

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INTRODUCTION

Welcome to the Radiologic Technology Program at Wharton County Junior College.

This student handbook has been compiled to familiarize you with the policies of the program. Compliance with these policies is expected.

It is through the spirit of cooperation that students and faculty members share a common goal of learning. Competence in this program is developed through diligence and hard work in the clinical environment as well as in the classroom.

The curriculum including clinical training courses has been designed to provide the student with a well rounded education that reflects the latest methodology in Radiology as well as preparing the student academically to continue their education.

It should be emphasized that you, the student, are the most important part of this program. Your suggestions and ideas are wanted and may be submitted to the Program Director.

STATEMENT OF MISSION WHARTON COUNTY JUNIOR COLLEGE

Wharton County Junior College is a public, two-year, comprehensive community college offering a wide range of postsecondary educational programs and services including associate degrees, certificates, continuing-education courses, cultural affairs, and leisure-time activities for the benefit of the community and a population of students that varies in age, background, and ability.

The college affords opportunities for individual growth and expression and promotes the development of the total person through scholarly and creative activity and the application of knowledge for the good of society. Its curricular and co-curricular activities lay a foundation for lifelong learning and involved citizenship and encourage the pursuit of knowledge, innovation, experimentation, and excellence in human endeavor. It prepares students for entry-level positions, for advancement in various occupations and professions, for a broad understanding of the liberal arts and sciences, and for transfer to baccalaureate- granting institutions.

In fulfilling its mission, the college

- a. Offers associate in arts, associate of arts in teaching, and associate in applied science degrees;
- b. Offers transfer curricula in preparation for the baccalaureate degree;
- c. Offers career/vocational curricula leading to certificates and associate degrees;
- d. Offers remedial and developmental courses and services, as well as adult basic education, to assist under prepared students to achieve competency in basic skills and thus gain access to college-level programs;
- e. Supports excellence in instruction in all academic areas by the encouragement of faculty professional development for the improvement of teaching and learning through innovative teaching methodologies, research and public service;

- f. Provides library and other instructional resources as integral parts of the educational process;
- g. Supports students in the learning process through counseling and academic advising;
- h. Offers continuing-education noncredit courses and programs to meet the needs of business, industry, government, and the community-at-large, and to contribute to the economic development of its service region;
- i. Provides varied cultural opportunities, recreational activities, and community services to enhance the quality of life in its service region;
- j. Actively cooperates with school districts, vocational-technical schools, other colleges, and universities to promote a more productive educational environment within its service region.

Wharton County Junior College is an institution that emphasizes personal attention to students, innovation and flexibility in its credit and noncredit offerings, and responsiveness to the diversity of communities it serves. The college is dedicated to providing an educational environment that recognizes individuality, stresses the importance of human relationships, and reflects the democratic values of our society.

**Statement of Mission
Radiologic Technology Program**

Consistent with the mission of Wharton County Junior College, the radiography program will graduate students with an Associate of Applied Science. The program will afford the opportunity for individual growth, application of knowledge, and articulation to a baccalaureate degree program in the pursuit of continuous knowledge. Upon graduation from the program, the student will have the clinical, problem solving, and communication skills equal to that of an entry-level radiologic technologist able to meet the needs of our community.

In fulfilling our mission statement the students will:

- Be clinically prepared to practice as entry-level radiologic radiographers.
- Be able to identify professional development and life-long learning opportunities in radiologic science.
- Be able to demonstrate communication skills both orally and written.
- Be able to apply critical thinking and problem solving skills in the clinical setting.

In fulfilling our mission statement the program will graduate and adequate amount of students to meet the needs of our community.

Student Learning Outcomes

- Students will demonstrate proper positioning techniques.
- Students will use proper radiation protection practices.
- Students will calculate technical factors for routine radiographic procedures.
- Students will discuss the importance of professional development in Radiologic Science. **
- Students will participate in a continuing education activity. **
- Students will write a scholarly paper.
- Students will orally present scholarly information to the class.
- Students will modify routine radiographic procedures.
- Students will evaluate radiographic images for proper technical quality.

**** Will be removed in September of 2022**

PROGRAM DESCRIPTION

This is a twenty-four month program designed to prepare the student for a career in the field of Radiologic Technology. Classroom and actual working experience are combined to provide the student with a firm foundation on which future employment opportunities and continuing education can be built. The course will include all basic X-ray procedures as well as exposure to the specialty areas of nuclear medicine, ultrasound, radiation therapy, special procedures, CT & MRI. General education courses as well as Radiologic Technology courses are included in the curriculum and are transferable to many four year colleges that offer baccalaureate degrees in Radiologic Technology.

ESSENTIAL ABILITIES of a Radiographer

The Radiology Program at WCJC is quite intense and requires many hours of study to be successful. The faculty members have determined the essential abilities that one must possess to be successful as a student Radiographer. Radiology Technology students must be able to meet the following physical and mental abilities for successful completion of the radiology technology program:

1. Must have the physical ability to move radiography equipment and manipulate the x-ray tube, which is located 70-80 inches above the floor.
2. Lift and/or support at a minimum 75 pounds in order to lift and carry x-ray accessories.
3. Have the ability to appropriately position patients for radiographic procedures and safely transfer patients who may weigh in excess of 300 pounds.
4. Must be able to push a portable x-ray machine for bedside radiography.
5. Ability to articulate clear verbal commands to the patient while the patient is being positioned for a procedure from a distance of 7-12 feet.

6. Have the ability to select and calculate proper x-ray exposure factors based on exam type and patient body habitus.
7. Must be able to manage stressful situations that relate to patient care, procedure, and technical standards.
8. Must be able to evaluate radiographs for proper patient positioning, proper exposure factors, and other essential factors for the purpose of image quality control.
9. Have sight corrected, to observe patients from a distance of 5-20 feet, ability to read and adjust the x-ray control panel, and position patients correctly.
10. Have hearing corrected, with the ability to hear patients at a distance of 5-12 feet.
11. Have sufficient tactile ability in order to access a patient's pulses, in addition to changes in a patient's physiologic status (i.e. changes in edema, skin temperature, etc.).
12. Have the ability to smell odors that may signify a change in the physiologic status of a patient or an unsafe environmental condition.
13. Have the ability to read and comprehend written classroom material, medical documents, and institution procedures and policies.
14. Have the ability to write legible in English in a style that is readable.
15. Must be able to accurately calculate and to prepare medications, administer proper dosage of radiographic contrast material, and count pulse and respirations.
16. Must be able to move freely with full manual dexterity of both upper and lower extremities, have unrestricted movement of neck, shoulder, back, and hips in order to assess, observe and perform emergency patient care, assist with all aspects of patient care, and be able to touch the floor for the removal of environmental hazards.
17. Must not be highly allergic to contrast media, latex products, and film processing chemicals (developer or fixer).
18. Cannot be dependent on any chemical or substance. Have the ability to react appropriately and quickly in emergency situations.
19. Must be poised, well groomed and neat in appearance, discreet, tactful, diplomatic, professional, versatile, ethical, and dependable.
20. Must have the ability to comprehend written and verbal instructions correctly in academic and clinical health care settings.
21. Must exhibit the capacity for reasoned judgment and calm in a health care environment.
22. Must not have physical or mental medical disorders that limit the ability to perform the duties of a radiology technology student. Must be stable emotionally, as this type of work involves life and death situations. Must show honesty and integrity in all matters.
23. Enjoy working with people and patient contact.

After starting the radiology technology program, the student shall immediately notify the program director, if any of these stated functions change. An evaluation may occur to determine if the student is able to continue in the program. A student may be removed from the program if a health condition significantly limits the student from performing the routine functions of a radiologic technology student and/or present a danger to the safety and health of patients.

Organizations with Impact on the Profession of Radiologic Technology

The American Society of Radiologic Technologists (ASRT)

The American Society of Radiologic Technologists was founded in 1920 by a small dedicated group of technologists who felt the need to meet and share their knowledge with each other. It has grown from a charter membership of 46 technologists to over 84,000 members. The ASRT is the only nationally recognized professional society representing all radiologic technologists in the United States today.

The American Registry of Radiologic Technologists (ARRT)

Today, certification and registration with the American Registry of Radiologic Technologists is the internationally recognized standard of the profession. ARRT is the only national certifying agency recognized by the American Society of Radiologic Technologists, the American College of Radiology, and the American Medical Association. The symbol (ARRT) has been registered in Washington, D.C. as the exclusive property of the Registry and has become the passport to ethical employment in hospitals and clinics within the English-speaking countries. Certification by ARRT is accepted by most states with licensure laws for state licensing purposes.

The Joint Review Committee on Education in Radiologic Technology (JRCERT)

This is a committee comprised of appointees from the ASRT and ACR. This group sets minimum standards for Radiography Programs and determines if each program meets these standards. The set of standards, "Standards for an Accredited Educational Program in Radiologic Sciences," is posted in J-212 & available in the Program Director's office for your review. Contact of the JRCERT should not be a step in the formal institutional/program grievance procedure. The individual must first attempt to resolve the complaint directly with institution/program officials by following the grievance procedures provided by the institution/program. If the individual is unable to resolve the complaint with institution/program officials or believes that the concerns have not been properly addressed, he or she may submit allegations of non-compliance directly to the JRCERT. Complaints of non-compliance can be sent to the Joint Review Committee on Education in Radiologic Technology, 20 N. Wacker, Suite 2850, Chicago, IL 60606-3182 and telephone 312-704-5300. The website address is www.jrcert.org.

Medical Radiologic Technologist Certification Program of Texas

This program was established in January of 1989 for the certification of Medical Radiologic Technologists. A set of guidelines is posted in room J-223 and the Program Director's office for your information.

PROFESSIONAL INFORMATION

American Society of Radiologic Technologists

CODE OF ETHICS

Preamble

This Code of Ethics is to serve as a guide by which Radiologic Technologists may evaluate their professional conduct as it relates to patients, colleagues, other members of the allied professions, and health care consumers.

Therefore, in the practice of the profession, we the members of the American Society of Radiologic Technologists accept the following principles:

Principle I

Radiologic Technologists shall conduct themselves in a manner compatible with the dignity of the profession.

Principle II

Radiologic Technologists shall conduct themselves in a manner compatible with the dignity and uniqueness of the patient, unrestricted by considerations of age, sex, race, creed, social, or economic status, handicap, personal attributes, or the nature of the health problem.

Principle III

Radiologic Technologists shall make every effort to protect all patients from unnecessary radiation.

Principle IV

Radiologic Technologists should exercise and accept responsibility for independent discretion and judgment in the performance of their professional services.

Principle V

Radiologic Technologists shall judiciously protect the patient's right to privacy and shall maintain all patient information in the strictest confidence.

Principle VI

Radiologic Technologists shall apply only methods of technology found upon a scientific basis and not accept those methods that violate this principle.

Principle VII

Radiologic Technologists shall not diagnose, but in their responsibility to the patient, they shall provide the physician with all information they have relative to radiologic diagnosis or patient management.

Principle VIII

Radiologic Technologists shall be responsible for reporting unethical conduct and illegal professional activities to the appropriate authorities.

Principle IX

Radiologic Technologists should continually strive to improve their knowledge and skills by participating in educational and professional activities and sharing the benefits of their attainments with their colleagues.

Principle X

Radiologic Technologists should protect the public from misinformation and misrepresentations.

Course Descriptions

RADR 1166 Practicum I 1:0:10

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program. [Offered fall semester.] Type: Tech

RADR 1266 Practicum II 2:0:20

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program. [Offered spring semester.] Type: Tech

RADR 1267 Practicum II 2:0:15

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program. [Offered summer I and summer II semesters (combined).] Type: Tech

RADR 1313 Principles of Radiographic Imaging I 3:2:4

Radiographic image quality and the effects of exposure variables. Prerequisite: Acceptance to Radiologic Technology Program. [Offered spring semester.] Type: Tech

RADR 1409 Patient Care 4:3:3

An overview of the historical development of radiography, basic radiation protection, an introduction to medical terminology, ethical and legal issues for health care professionals, and an orientation to the program and the health care system. Patient assessment, infection control procedures, emergency and safety procedures, communication and patient interaction skills, and basic pharmacology are also included. Prerequisite: Acceptance to Radiologic Technology Program. [Offered fall semester.] Type: Tech

RADR 1411 Basic Radiographic Procedures 4:3:4

An introduction to radiographic positioning terminology, the proper manipulation of equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of basic anatomy. Prerequisite: Acceptance to Radiologic Technology Program. [Offered fall semester.] Type: Tech

RADR 2117 Radiographic Pathology 2:2:0

Disease processes and their appearance on radiographic images. Prerequisite: Acceptance to Radiologic Technology Program. [Offered fall semester.] Type: Tech

- RADR 2205 Principles of Radiographic Imaging II** **2:1:4**
 Radiographic image quality and the effects of exposure variables and the synthesis of all variables in image production. Prerequisite: Acceptance to Radiologic Technology Program. [Offered summer I and summer II semesters (combined).] Type: Tech
- RADR 2266 Practicum III** **2:0:20**
 Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program. [Offered fall semester.] Type: Tech
- RADR 2267 Practicum IV** **2:0:20**
 Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program. [Offered spring semester.] Type: Tech
- RADR 2309 Radiographic Imaging Equipment** **3:2:4**
 Equipment and physics of x-ray production. Includes basic x-ray circuits. Also examines the relationship of conventional and digital equipment components to the imaging process. Prerequisite: Acceptance to Radiologic Technology Program. [Offered fall semester.] Type: Tech
- RADR 2313 Radiation Biology and Protection** **3:3:0**
 Effects of radiation exposure on biological systems. Includes typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure. Prerequisite: Acceptance to Radiologic Technology Program. [Offered spring semester.] Type: Tech
- RADR 2331 Advanced Radiographic Procedures** **3:2:4**
 Positioning and alignment of the anatomical structure and equipment, evaluation of images for proper demonstration of anatomy and related pathology. Prerequisite: Acceptance to Radiologic Technology Program. [Offered fall semester.] Type: Tech
- RADR 2333 Advanced Medical Imaging** **3:3:0**
 An exploration of specialized imaging modalities. Prerequisite: Acceptance to Radiologic Technology Program. [Offered spring semester.] Type: Tech
- RADR 2335 Radiologic Technology Seminar** **3:2:3**
 A capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning. Prerequisite: Acceptance to Radiologic Technology Program. [Offered summer I and summer II semesters (combined).] Type: Tech
- RADR 2366 Practicum V** **3:0:24**
 Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program. [Offered spring semester.] Type: Tech
- RADR 2367 Practicum VI** **2:0:15**

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Prerequisite: Acceptance to Radiologic Technology Program. [Offered summer I and summer II semesters (combined).] Type: Tech

RADR 2401 Intermediate Radiographic Procedures 4:3:4

A continuation of the study of the proper manipulation of radiographic equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of anatomy. Prerequisite: Acceptance to Radiologic Technology Program. [Offered spring semester.] Type: Tech

General Education Requirements

PREREQUISITES:

BIOL 2401. Human Anatomy and Physiology I. (Core 030) 4:3:2

Cellular organization and the skeletal, muscular, nervous, and endocrine systems. Prerequisite: THEA reading and writing requirements met. [Offered fall, spring, and summer I, semesters.] Type: Acad

BIOL 2402. Human Anatomy and Physiology II. (Core 030) 4:3:2

Continuation of BIOL 2401. Covers the circulatory, excretory, reproductive, respiratory, and digestive systems. Prerequisites: BIOL 2401 with a grade of C or better **and** THEA reading and writing requirements met. [Offered fall, spring, and summer I semesters.] Type: Acad

GENERAL EDUCATION:

ENGL 1301. Composition I. (Core 010) 3:3:0

Study of English to improve students' ability to think objectively and to communicate effectively. Stress on clarity and effectiveness in the sentence, paragraph, and whole composition. The composition is chiefly expository, and assigned material is designed to increase students' ability to read objectively, to develop skills in critical analysis, and to improve their style. Prerequisites: THEA reading and writing requirements met. [Offered fall, spring and summer semesters. Also offered as an Internet course.] Type: Acad

MATH 1314. College Algebra. (Core 020) 3:3:0

Includes systems of linear equations; selected topics on determinants and matrices; quadratic equations; systems involving quadratics, ratio and proportion, variation, exponents and radicals; inequalities; progressions; permutations and combinations; the binomial theorem; and selected topics in theory of equations and partial fractions. Prerequisite: THEA math requirement met. [Offered all semesters.] Type: Acad

PSYC 2301. Introduction to General Psychology. (Core 080) 3:3:0

Major topics in the science of mind and behavior, such as personality, emotions, thinking and learning, reasons for behavior, abnormal behavior and its treatment, and

how psychology can improve people's lives. Prerequisite: THEA reading and writing requirements met. [Offered fall, spring, summer I and summer II semesters also offered as Internet course.] Type: Acad

Language, Philosophy, & Culture or Creative Arts: See current college catalog for available course numbers.

Course Objectives

The Radiographer is an important member of the health care team. The Radiology Program at Wharton County Junior College has set forth the following objectives which are a basic description of the profession.

Upon completion of this program the Radiographer shall be able to:

1. Use oral and written medical communication.
2. Apply knowledge of anatomy, physiology, positioning, and radiographic techniques.
3. Calculate and determine exposure factors to achieve optimum radiographic techniques with minimum radiation exposure to the patient.
4. Evaluate radiographic images for appropriate positioning and image quality.
5. Apply the principles of radiation protection for the patient, self, and others.
6. Provide good patient care and comfort.
7. Recognize emergency patient conditions and initiate life saving first-aid and basic life-support procedures.
8. Evaluate the performance of radiologic systems, know and understand the safe limits of equipment operation, and report malfunctions to the proper authority.
9. Exercise independent judgment and direction in the technical performance of medical imaging procedures.
10. Apply principles of good body mechanics in the movement and lifting of patients.
11. Modify routine/standard procedures to accommodate patient condition and other variables.
12. Process radiographs.
13. Demonstrate knowledge and skill relating to quality assurance.
14. Demonstrate responsibility and accountability in carrying out clinical education assignments, and by the attendance record.
15. Behave in a professional manner and be able to get along with radiology staff and administrators.

Course Challenges

Most supportive courses required by the program may be challenged via C.L.E.P. examinations administered by the guidance office. Refer to the catalog for more specific information.

Course Substitutions

Course substitutions for supportive requirements may be carried out only if the course to be substituted is equal or superior in content to the course that is required by the program's curriculum.

Transfer or Credit from other Institutions

Any course work that is taken at another institution and that may be applicable for satisfying degree requirements at WCJC must have a GPA of at least 2.0 (cumulative). A written affirmation of credit must be supplied from the registrar to the Program Director for student protection.

Any student wishing to transfer from another Radiologic Technology Program must provide documentation of all his/her previous experience/education from the previous program director or department head and provide transcripts from the education institution. She/he should provide a course syllabus with objectives of all educational background in Radiologic Technology. In addition, the student must obtain a letter of recommendation from the previous Radiologic Technology Director, which states that the student is in good standing and would be accepted back into the previous program. The Department Head may substitute some requirements. The student must meet with the Department Head for individual consideration.

NOTE: Wharton County Junior College requires at least twenty-four semester hours including nine of the last fifteen hours must be completed at Wharton County Junior College in order to receive a degree.

Counseling and Advising Services

A professional counselor is available Monday through Friday 8 - 5 p.m. on campus for consultation with students in such areas as personal adjustment, career choices, four year college transfers, etc. The guidance center is on the third floor in the Student Union Building.

The faculty advisor for all Radiologic Technology students is the Program Director, whose office hours are posted on office door.

Financial Information

Estimated Expenses:

Tuition and Laboratory Fees: Identical to general college tuition

Student insurance: \$15.00

Application fee for state licensure: approximately \$150.00

Application fee for ARRT exam: \$225.00

Books: \$1500.00 over the two (2) years (most books are purchased as a program package in the first semester)

Calculator: \$20.00

Graduation pin: \$70.00

Immunizations tracker: \$35.00

Liability insurance: \$20.00

Uniform: \$250.00

Physical examination and immunizations: individual physician's fee

Transportation cost: varies according to clinical site

Criminal Background Check: approximately \$50.00

Drug Screening: approximately \$50.00

CPR: \$80.00

Financial Aid

Information is available from the student financial aid coordinator whose office is in the Administration Building. The Perkins Foundation and WorkSource have funds available to assist students. Information regarding these two programs can be obtained from the Program Director.

Withdrawals, drops and refund information

Once registered for a course it is the student's responsibility to drop/withdraws from the course.

Courses cannot be dropped through online services after they have begun. Courses cannot be dropped by phone.

Instructors do not withdraw students from courses.

Students are required to drop/withdraw from their courses by submitting a Student Drop Form before the posted deadline as listed on the college website.

In order to determine refund dated and final drop/withdraw deadlines, the student must know the start and end date of the course and find the dates that correspond below. All dates are determined based on formulations provided by the Texas Higher Education Coordinating Board and are not negotiable.

For Financial Aid purposes, drop dates are calculated by the last day the student attended the course.

Percentage refunds are NOT made on Technology Fees. Minimum tuition will be charged for all drop/withdrawals (see chart on Tuition and Fees Page).

Textbooks

All RADR textbooks will be utilized for more than one course and are needed for Registry Examination Review. Do not sell your books back to the bookstore. This also includes the text used in Biology 2401 and 2402.

Required Textbooks

(Most books are purchased as a program package in the first semester)

FIRST YEAR

Fall Semester:

- | | |
|-----------|--|
| RADR 1166 | <i>Practicum I - Tablet</i> |
| RADR 1409 | <i>Introduction to Radiography and Patient Care –</i>
<u>1. Patient Care in Radiography</u> , Ehrlich, Ruth
<u>2. Quick and Easy Medical Terminology</u> . Leonard, Peggy. |
| RADR 1411 | <i>Basic Radiographic Procedures –</i>
<u>1. Textbook of Radiographic Positioning and Related Anatomy</u> , Bontrager, Kenneth.
<u>2. Textbook of Radiographic Positioning and Related Anatomy-Workbook</u> Bontrager, Kenneth.
<u>3. Handbook of Radiographic Positioning and Techniques</u> , Bontrager, Kenneth. |

Spring Semester:

- RADR 1313 *Principles of Radiographic Imaging I –*
 1. Radiographic Imaging & Exposure, Fauber, Terri.
- RADR 2401 *Intermediate Radiographic Procedures –*
 1. Textbook of Radiographic Positioning and Related Anatomy, Bontrager, Kenneth.
 2. Textbook of Radiographic Positioning and Related Anatomy-Workbook, Bontrager, Kenneth.
- RADR 1266 *Practicum II – (none)*

Summer Semester:

- RADR 2205 *Principles of Radiographic Imaging II –*
 1. Quality Management in the Imaging Sciences, Papp, William.
 2. Essentials of Radiologic Science, Orth, Denise.
 3. Essentials of Radiologic Science-Workbook, Mason, Starla.
- RADR 1367 *Practicum III – (none)*

SECOND YEAR

Fall Semester:

- RADR 2309 *Radiographic Imaging Equipment –*
 1. Radiologic Science for Technologists, Bushong, Stewart.
 2. Essentials of Radiologic Science, Orth, Denise.
 3. Essentials of Radiologic Science-Workbook, Mason, Starla.
- RADR 2117 *Radiographic Pathology –*
 1. Radiographic Pathology for Technologists. Kowalczyk, Nina
- RADR 2331 *Advanced Radiographic Procedures –*
 1. Textbook of Radiographic Positioning and Related Anatomy, Bontrager, Kenneth.
 2. Textbook of Radiographic Positioning and Related Anatomy-Workbook, Bontrager, Kenneth.
- RADR 2266 *Practicum IV – (none)*

Spring Semester:

- RADR 2313 *Radiation Biology and Protection –*
1. Radiation Protection in Medical Radiography, Sherer, Mary Alice.
2. Radiation Protection in Medical Radiography-Workbook, Sherer, Mary Alice.
- RADR 2333 *Advanced Medical Imaging –*
1. Introduction to Sectional Anatomy, Madden, Michael.
- RADR 2266 Practicum V – (none)

Summer Semester:

- RADR 2335 *Radiologic Technology Seminar –*
1. Radiography Examination, Saia, D.A..
2. Radiography Prep Saia, D.A..
3. The Integrated Radiography Workbook, DeAngelis, Robert.

Clinical Assignments

During the two years, assignments will be made in each of the affiliated hospitals. These assignments will be made at the discretion of the Program Director and Clinic Coordinator. The location of the affiliate nearest to the student's residence will be taken into consideration. However, a reasonable amount of driving time should be expected and a rotation to two other affiliates will be required which may increase driving time.

The assignment to specific locations for clinical rotation is done solely by the Clinical Coordinator based on the following JRCERT criteria and current utilization of clinical affiliates:

3 students	Brazosport Memorial Hospital
5 students	Citizens Medical Center
4 students	DeTar Hospital
2 students	DeTar Hospital-North
2 students	El Campo Memorial Hospital
3 students	Matagorda Regional Medical Center
2 students	Memorial Medical Center
4 students	Methodist Health Care System-Sugar Land
6 students	OakBend Medical Center (2 locations)
1 student	Sweeny Community Hospital

All clinical rotation hours will be from 8:00 am to 4:30 pm.. ***The clinical hours listed above are for all students and will not vary.*** Schedules will be provided in advance to students, so travel arrangements can be planned.

Graduation Requirements

At the beginning of the spring semester, sophomore students will be expected to formally apply for graduation.

Formal Application for Graduation

1. Complete form obtained from Registrar's office.
2. Review approved degree plan with Program Director to determine if all courses will be completed by August graduation date.

NOTE: All students **must** attend graduation exercises and all graduates must purchase a college approved cap and gown.

Application for ARRT Examination

After all requirements for RADR courses are met in the final semester, graduation candidates must obtain the ARRT application from the Program Director. **The completion of the application to take the ARRT examination is the responsibility of the student and is done online.**

Eligibility to take the examination is based on completion of all course requirements and having met **all** academic requirements for graduation. **All academic support courses must be successfully completed before a student is eligible to apply for the Registry Examination.**

All students must apply for a license issued by the Texas Medical Board. This process should be started the spring before graduation.

Phone Numbers

FACULTY:

Allyson Randel, BSRS, R.T. (R)

Office: 979-532-6380
Cell: 281-250-4906

Sharla Walker, MSRS, R.T. (R)

Home: 979-553-3781
Office: 979-532-6379
Cell: 713-854-4263

HOSPITALS:

Brazosport Memorial Hospital

979-297-4411

Citizens Medical Center

361-573-9181

DeTar Hospital

361-788-6150

DeTar Hospital – North

361-788-6150

El Campo Memorial Hospital

979-543-0305

Houston Methodist Sugar Land Hospital

281-274-7126

Matagorda Regional Medical Center

979-241-3420

Memorial Medical Center

362-552-0264

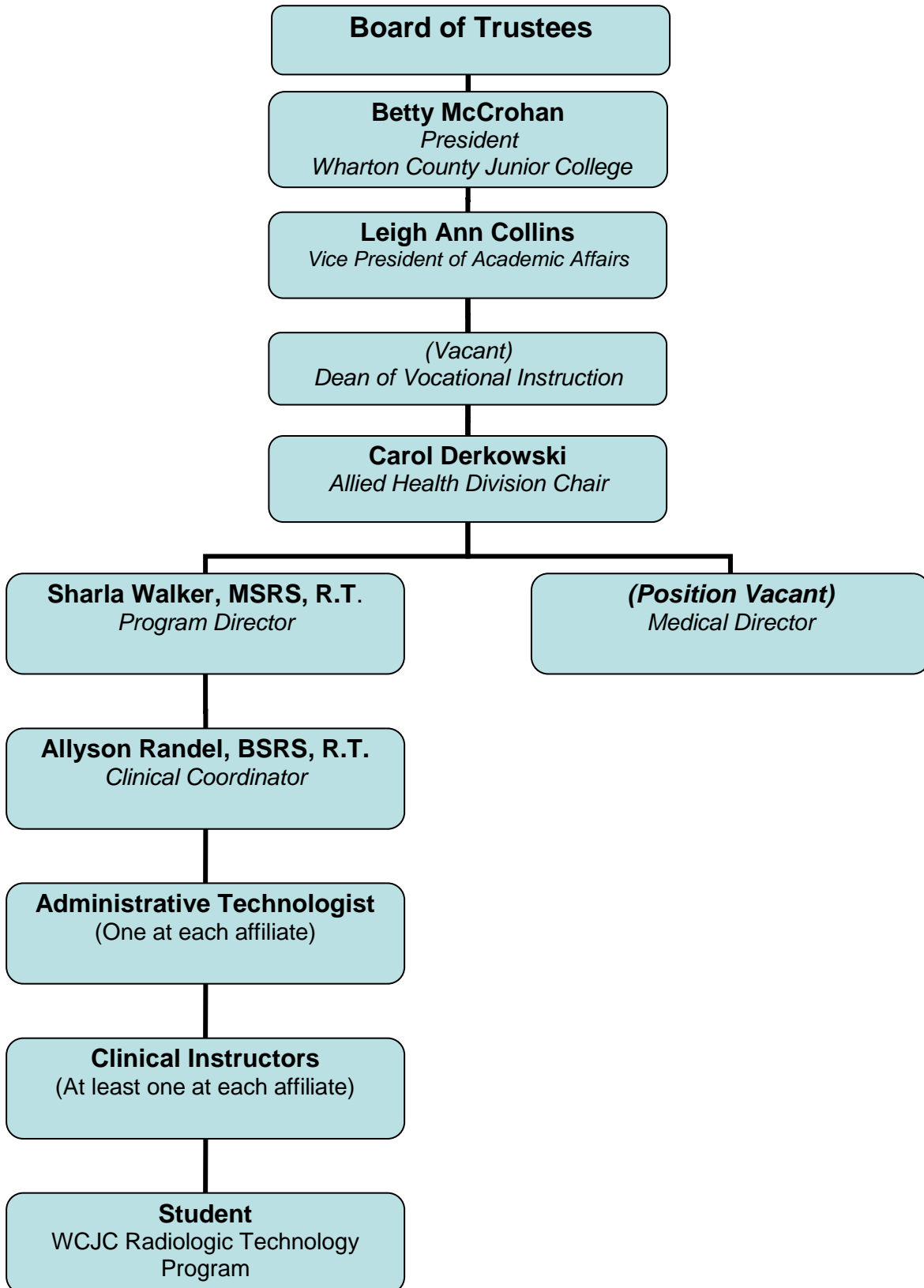
OakBend Medical Center

281-341-4861

Sweeny Community Hospital

979-548-1500

**ORGANIZATIONAL CHART
RADIOLOGIC TECHNOLOGY PROGRAM
Wharton County Junior College**



CONTINGENCY PLAN
Wharton County Junior College
Radiologic Technology Program
Updated 8/16/2021

Contingency Plan If extenuating catastrophic circumstances (i.e., mass casualty event, pandemic, natural disaster, etc.) impact Wharton County Junior College Radiologic Technology Program or student access to clinical environments. The Radiologic Technology Program may utilize the following steps to ensure the safety of program students and faculty. The Radiography Program will ensure that all graduates meet graduation requirements, including ARRT required competencies and successful completion of all coursework with a “C” or better as soon as the classroom/clinical sites become accessible.

Clinical modifications with appropriate notification include:

- ❖ Assigned clinical Site changes if necessary
- ❖ Assigned clinical schedule (date and time changes)
- ❖ Modification to student participation expectations (i.e., limited involvement with Isolation/ COVID patients)
- ❖ Extension of clinical course requirements beyond the expected completion date

Didactic Modifications with appropriate notification include:

- ❖ Class meeting location changes
- ❖ Class meeting schedule (date and time) changes
- ❖ Temporary utilization of distance learning tools(i.e., Blackboard Collaborate) for class meetings typically delivered face-to-face
- ❖ Extension of course requirements beyond the expected completion date as a learner at WCJC, your education is of utmost importance to us. We will do everything in our power to ensure that you graduate on time. However, extenuating catastrophic circumstances may extend the program requirements beyond the expected graduation date.

What to expect from Program Leadership:

- ❖ Timely communication via WCJC email
- ❖ Prioritization of student and faculty safety
- ❖ Commitment to student professional development
- ❖ Assurance that all program graduates meet graduation requirements.

Communication Information:

Allyson Randel, BSRS, R.T. (R) Office: 979-532-6380 Cell: 281-250-4906

Email: randela@wcjc.edu

Sharla Walker, MSRS, R.T. (R) Home: 979-553-3781 Office: 979-532-6379

Cell: 713-854-4263 email: sharlaw@wcjc.edu

Program Secretary- 979-532-6491

Security-979-532-6523

Rave System:

<https://wcjc.edu/About-Us/administration/offices/security/emergency-alert.aspx>

Please make sure you are signed up for our RAVE Emergency Contact system through WCJC Security Office.

Clinical Affiliations:

- ❖ Brazosport Memorial Hospital 979-297-4411
- ❖ Citizens Medical Center 361-573-9181
- ❖ DeTar Hospital 361-788-6150
- ❖ DeTar Hospital – North 361-788-6150
- ❖ El Campo Memorial Hospital 979-543-0305
- ❖ Houston Methodist Sugar Land Hospital 281-274-7126
- ❖ Matagorda Regional Medical Center 979-241-3420
- ❖ Memorial Medical Center 362-552-0264
- ❖ OakBend Medical Center 281-341-4861
- ❖ Sweeny Community Hospital 979-548-1500

Physical Resources:

- ❖ Zoom and/or BrightSpace will be utilized for didactic instruction in the event that there is a disruption in classroom resources
 - Distance Education Information can be found here:
<https://wcjc.edu/Programs/distance-education/Student-Resources.aspx>
 - This link will have all computer requirements and student support numbers needed by the distance education student.
 - Faculty will be trained in BrightSpace and will have the ability to move didactic instruction on-line in a short time-frame for a seam-less transition.

Implementation of the Contingency Plan

- ❖ The situation will be assessed to determine what aspects of the program need to be implemented and the information will be communicated to the students via WCJC email if available or through the REMIND phone app.
- ❖ The program will determine what equipment faculty/student resources will need in response to the event and how the equipment will be obtained and distributed. Currently students are responsible for purchasing their own PPE (gown, gloves, and N95 Masks) The program will provide a N95 mask fitting through our EMS department for students that have not been fitted at their clinical site.
- ❖ The Program has a plan to front-load didactic courses if the need arises. In this event clinical schedules may be affected, and clinical time will require longer clinical days/hours to make-up the time missed. Every effort will be made by the program to keep these changes minimal, but clinical site placement is at the discretion of the clinical affiliate and when they feel it is safe to return.
- ❖ Sponsoring Institution- Students will be informed through the RAVE security system when it is safe to return to campus and student resources are available and accessible to faculty and students. If any locations of classes/labs/clinical have changes the students will be made aware via WCJC email/REMIND app.

- ❖ The program will look for alternative learning options for the student to include but not limited to: virtual clinical simulations, case study analysis, and virtual tours of the clinical experience.

Program Leadership/Administration

- ❖ The Program Director and Clinical Coordinator will maintain communication with the WCJC sponsoring institution, state and regulatory agencies, and accreditors during the catastrophic event.
- ❖ The Program will maintain communication with faculty and students regarding the status of the catastrophic event.
- ❖ Communicate any deviation from the contingency plan.
- ❖ Seek feedback from communities of interest regarding contingency plan
- ❖ Make adjustments to the contingency plan as needed , to assure appropriate operations
- ❖ Provide state/federal emergency websites and hotlines for faculty and students.

Sponsoring Institution

- ❖ Determine financial aid requirements if didactic, and/or clinical courses are disrupted.
- ❖ Determine if course grading will change in response to the catastrophic event (i.e. Pass/Fail)
- ❖ Provide guidance for temporary alteration(s) to the curricular sequence
- ❖ Provide funding to maintain student support and safety during the catastrophe
- ❖ Provide faculty support for resources not typically utilized by the program
- ❖ Assure the student support services are not interrupted
- ❖ Provide wellness support services for students and faculty

Prepared Recovery for a Contingency Plan

- ❖ The program will resume all regular function as soon as the sponsoring institution decides it is safe to resume. When the faculty/students return they will be updated will any class or clinical schedule changes. The program director and clinical coordinator will meet with students to discuss what the students will need to complete and satisfy graduation requirements.
- ❖ The contingency plan will be reviewed and feedback documents in meeting minutes.

MRI Safety Protocol

Wharton County Junior College

Magnetic Resonance Imaging (MRI) machines generate a very strong magnetic field within and surrounding the MR scanner. This magnetic field is always on and unsecured. Magnetically susceptible (ferromagnetic) materials even at a distance can become accelerated into the bore of the magnet with force sufficient enough to cause serious injury or damage to equipment, patient, and any personnel in its path. Therefore, great care is taken to prevent ferromagnetic objects from entering the MRI scanner room. It is the qualified MR personnel, especially the technologist's responsibility to control all access to the scanner room.

- As a program student, you too become part of this team adhering and obligated to all MRI safety policies and procedures and will review an MRI Safety Video (YouTube) covering these safety policies and procedures prior to starting your clinical training.
- It is vital that you remove metallic objects before entering the MRI static magnetic field, including watches, jewelry, and items of clothing that have metallic threads or fasteners.
- If you have a bullet, shrapnel, or similar metallic fragment in your body, body piercings, tattoos, or transdermal patches, there is a potential risk that it could change position, cause skin burns, and possibly causing injury.
- Also, the magnetic field of the scanner can damage an external hearing aid or cause a heart pacemaker to malfunction.
- History of any surgical procedure that entails implanted electronic device(s), or any implant within/on your body you were not naturally born with will need to be reviewed, through a MRI safety screening protocol that reflects current American College of Radiology (ACR) MRI safety guidelines, prior to clinical training.
- Detailed MRI Policies will be covered upon entrance to the program in August of each year and prior to specialty rotations.
- An MRI Screening Protocol Form will be filled out & submitted for review prior to clinical training. •Students are mandated to notify the program should their status change after filling out the MRI Screening Protocol Form.



Wharton County Junior College

RADIOLOGIC TECHNOLOGY PROGRAM

ACKNOWLEDGMENT AND ACCEPTANCE OF POLICIES

I have read the Wharton County Junior College Radiology Technology student handbook in its entirety and fully understand the objectives, policies, rules, and regulations set forth therein.

I agree to abide by these policies and guidelines and accept responsibility for my actions while enrolled as a student at Wharton County Junior College.

I understand that failure to abide by the policies or meet the academic standards set forth in this handbook may result in dismissal from the program or other punitive action as described in the handbook.

I also understand that any policy set forth in this handbook can change at any time during the school year. Notification of changes will be provided in writing prior to changes taking effect.

Student Signature

Date

Program Director

Date Received

RETURN COMPLETED FORM TO: Program Director or Clinical Coordinator



***Wharton County
Junior College***

RADIOLOGIC TECHNOLOGY PROGRAM

STUDENT CONFIDENTIALITY STATEMENT

The undersigned hereby acknowledges his/her responsibility under applicable State and Federal law to keep confidential any information regarding Hospital patients, as well as all confidential information of Hospital/Clinic. The undersigned agrees, under penalty of law, not to reveal to any person or persons except authorized clinical staff and associated personnel any specific information regarding any patient and further agrees not to reveal to any third party any confidential information of Hospital/Clinic, except as required by law or as authorized by Hospital/Clinic.

Student Signature

Date _____

Printed Name of Student



Wharton County Junior College

RADIOLOGIC TECHNOLOGY PROGRAM

AUTHORIZATION OF USE AND DISCLOSURE OF PROTECTED HEALTH INFORMATION, CRIMINAL BACKGROUND, AND DRUG SCREEN

As a student of Wharton County Junior College Radiologic Technology it is necessary for you to rotate to different clinical sites in order to complete all your clinical competencies. In this process, the clinical sites will need access to your immunizations, criminal background and drug screen results/report. Also upon graduation, your dosimeter report will need to be mailed to your new employer. By signing below you give the program permission to send/fax/e-mail reports as requested for the above purpose.

Student Signature

Date