

# Radiology Technology

The Radiology Technology Program is designed to prepare individuals to function effectively in the field of the diagnostic medical radiography. Radiography is the application of knowledge using a variety of imaging methods in the examination of the body for structural defects and disease processes.

The Radiology Program is a two-year program leading to an Associate of Applied Science (AAS) degree. The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT). Graduates are eligible to apply for the American Registry of Radiologic Technologists (ARRT) Certification Examination. The Web site for the Joint Review Committee on Education in Radiologic Technology is [www.jrcert.org](http://www.jrcert.org).

## Mission Statement of the PJC Radiology Technology Program

The mission of the Paris Junior College Radiology Technology Program is to meet the needs of the students by offering innovative and comprehensive educational practices which will enable the student to graduate with competence for the practice of diagnostic radiology technology.

### Goals:

- » The program will demonstrate program effectiveness.
- » Students will be clinical competent.

### Outcomes:

- » Students will be able to effectively evaluate images.
- » Students will promote exemplary customer service.
- » Students will be able to adjust to trauma situations using critical thinking.
- » Students will use proper radiation protection.
- » Graduation (retention) rates will meet or exceed JRCERT standards
- » Graduate will be competent as entry level radiological technologist
- » Graduates will be employed within 6 months post graduation.
- » Graduates will pass the ARRT exam on the 1st attempt
- » Graduates will pursue further education within 6 months post graduation.

## Admissions Procedures for Radiology Technology Program

The program begins in the Spring Semester and is concluded at the end of the second Fall Semester. The program is six semesters in length. The Radiology Technology Program's admission application is available at the beginning of September for those who wish to apply. Completed and signed Radiology Technology Program applications are accepted from Sept. 1

through Sept. 30.

Along with the completed and signed Radiology Technology Program application, the following must also be submitted:

- » Official high school transcript or GED certificate.
- » Official college transcripts from all colleges attended.
- » Success Initiative exemption status or proof that PJC Success Initiative criteria has been met.
- » Required references at the time of applications.

To receive a Radiology Technology application by mail or to pick one up in person, contact the Health Occupations staff at 903.782.0734.

If you have not attended PJC in the last five years, you will need to apply / reapply.

Admission to the Radiology Technology Program is dependant upon:

- » General academic courses.
- » GPA - required courses.
- » References.
- » Applicant Interview.
- » Available space.

Paris Junior College gives equal consideration of all applicants for admission without regard to race, color, religion, creed, national origin, sex, age, marital status, disabilities or veteran status.

## AAS in Radiology Technology (73 Credit Hours)

First Year - Spring Semester	First Year - Summer Long (I & II)
BIOL 2401*	RADR 1213
RADR 1201	RADR 2301
RADR 1311	RADR 1267
RADR 1266	RADR 2309
RADR 1303	
First Year - Fall Semester	Second Year - Spring Semester
RADR 2336	RADR 2305
RADR 2313	RADR 2366
RADR 2226	RADR 2431
BIOL 2402*	SPCH*
	ENGL 1301*
Second Year - Summer Long (I & II)	Second Year - Fall Semester
RADR 2217	RADR 2235
RADR 2233	RADR 2367
RADR 2267	Social/Behavioral Science*
Humanities*	COSC or BCIS Computer Science*

\*Students are also encouraged to take these courses prior to beginning the Radiology Technology Program.

**Note:** Radiology Technology courses (RADR) must be taken in the order listed in the degree plan and a grade of "C" or better must be attained in each radiology course in order to progress to the next course. Each semester, the RADR core courses are co-requisites to one another, and must be completed successfully within the same semester. Academic support courses may be taken prior to entering the Radiology Technology Program or be completed with a grade of "C" or better during the semester indicated on the degree plan.

### RADR 1200 Basics of Medical Radiography 2-2-0

**Course Description:** An introduction to radiation protection, professional ethics, darkroom procedures, medical terminology, prime exposure factors, and technical factors of film quality; Image receptors.

**Learning Outcomes:** Essential radiation protection methods, demonstrate professional and ethical behavior, assess radiographs for image quality, understand common medical terms, and explain the relationships of essential technical variables to image qualities.

### RADR 1311 Basic Radiographic Procedures 3-3-0

**Course Description:** An introduction to radiographic positioning terminology, the proper manipulation of equipment, positioning and alignment of the







the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

**RADR 2431 Advanced Radiographic Procedures 4-5-0**

**Course Description:** Continuation of positioning; alignment of the anatomical structure and equipment, evaluation of images for proper demonstration of anatomy and related pathology.

**Learning Outcomes:** Position and alignment of anatomical structures and equipment; and evaluate images for proper demonstration of anatomy.

**RADR 2267 Practicum (or Field Experience) 3-0-224**

**Course Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

**Learning Outcomes:** As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

**RADR 2235 Radiologic Technology Seminar 2-2-0**

**Course Description:** A capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning.

**Learning Outcomes:** Synthesize professional knowledge, skills, and attitudes; demonstrate entry level competencies for professional employment; and demonstrate skills for lifelong learning.

**RADR 2367 Practicum (or Field Experience) 2-0-336**

**Course Description:** Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

**Learning Outcomes:** As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and

verbal communication skills using the terminology of the occupation and the business/industry.