

- PSYC 2306 Psychology of Sexual Behavior (42.0101.53 25)** 3.3.0  
The study of the psychological, sociological and physiological aspects of human sexuality. Curriculum satisfied for Social and Behavioral Science.
- PSYC 2314 Lifespan Growth and Development (42.0701.51 25)** 3.3.0  
A study of the physical, mental, emotional, and social growth and development of children and throughout the life span. Prerequisite: PSYC 2301 or consent of instructor.
- PSYC 2315 Psychology of Personal Adjustment (42.0101.56 25)** 3.3.0  
A study of the psychological principles that are fundamental to personal and social adjustment. Emphasis is placed on group dynamics, self-awareness, interpersonal attraction, prejudice, values, and self-actualization. Core Curriculum satisfied for Social and Behavioral Science.

## 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.

Students who have not been enrolled in the previous five years may be requested to resubmit all transcripts.

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 2313 RADR 2266 BIOL 2402*	RADR 2305 RADR 2366 RADR 2431 SPCH* ENGL 1301*

Second Year - Summer Long (I & II)	Second Year - Fall Semester
RADR 2217 RADR 2233 RADR 2267 Humanities/Fine Arts*	RADR 2235 RADR 2367 Social/Behavioral Science* COSC or BCIS Computer Science*

\* Students are encouraged to complete the academic support courses prior to entering the program. All must be completed with a grade of "C" or better prior to or during the semester indicated on the degree plan. Each semester, the RADR core courses are co-requisites to one another and must be complete successfully within the same semester.

### RADR 1201 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 anatomical structure and equipment, and evaluation of images for proper demonstration of basic anatomy.

**Learning Outcomes:** Define radiographic positioning terms, manipulate equipment properly; position and align anatomical structure and equipment; and evaluate images for proper demonstration of anatomy.

### RADR 1266 Practicum (Field Experience) 2.0.14

**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 1303 Patient Care 3.3.0**

**Course Description:** An introduction in patient assessment, infection control procedures, emergency and safety procedures, communication and patient interaction skills, and basic pharmacology.

**Learning Outcomes:** Assess patient condition; demonstrate accepted infection control and general safety practices; recognize emergency situations; assess effective communication skills; and identify applicable pharmaceuticals and their applications.

**RADR 1213 Principles of Radiographic Imaging I 2.2.0**

**Course Description:** An introduction to radiographic image qualities and the effects of exposure variables upon these qualities.

**Learning Outcomes:** Define, recognize, and evaluate qualities of the radiographic image; and analyze the effects of exposure variables upon each image quality.

**RADR 2301 Intermediate Radiographic Procedures 3.3.0**

**Course Description:** 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.

**Learning Outcomes:** Manipulate equipment properly; position and align anatomical structure and equipment; and evaluate images for proper demonstration of anatomy.

**RADR 1267 Practicum (Field Experience) 2.0.21**

**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 2309 Radiographic Imaging Equipment 3.3.0**

**Course Description:** A study of the equipment and physics of x-ray production, basic x-ray circuits, and the relationship of equipment components to the imaging process.

**Learning Outcomes:** Describe the equipment and physics of x-ray production; describe basic x-ray circuits; and related equipment components to the imaging process.

**RADR 2336 Patient Applications 3.3.0**

**Course Description:** An advanced discussion of pediatrics, geriatrics, trauma, history recordation and abbreviation and ECG. Plebotomy and venipuncture will be discussed and practiced.

**Learning Outcomes:** Compare and contrast techniques, and patient care and positioning as they related to geriatric, pediatric and trauma patients. Perform venipuncture. Discuss basic ECG.

**RADR 2233 Advanced Medical Imaging 2.2.0**

**Course Description:** An exploration of specialized imaging modalities.

**Learning Outcomes:** Describe the various specialized imaging modalities; and differentiate between images produced by different modalities and identify the anatomy demonstrated.

**RADR 2313 Radiation Biology and Protection 3.3.0**

**Course Description:** A study of the effects of radiation exposure on biological systems, typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure.

**Learning Outcomes:** Describe the biophysical mechanisms of radiation damage and the somatic and genetic effects of radiation exposure on humans; state typical dose ranges for routine radiographic procedures; explain basic methods and instruments for radiation monitoring, detection, and measurement; and apply appropriate radiation protection practices.

**RADR 2266 Practicum (Field Experience) 2.0.14**

**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 2217 Radiographic Pathology 2.2.0**

**Course Description:** A presentation of the disease process and common diseases and their appearance on medical images.

**Learning Outcomes:** Classify types of diseases; explain the pathogenesis of common diseases; and identify the appearance of common diseases on medical images.

**RADR 2305 Principles of Radiographic Imaging II 3.3.0**

**Course Description:** A continuation of the study of radiographic imaging technique formulation, image quality assurance, and the synthesis of all variables in image production.

**Learning Outcomes:** Optimize image quality, minimize patient exposure, and preserve equipment; apply methods of image quality assurance; and adapt technical variables to changing conditions.

**RADR 2366 Practicum (Field Experience) 2.0.21**

**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 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 (Field Experience)** 3.0.21  
**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 (Capstone)** 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 (Field Experience)** 2.0.21  
**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.

## Sociology

Suggested Course of Study for University Transfer Students (62-67 Credit Hours)

Freshman Year	Sophomore Year
ENGL 1301	Elective (3 Credit Hours)
ENGL 1302	Foreign Language (8 Credit Hours)*
HIST 1301	GOVT 2305
HIST 1302	GOVT 2306
Lab Science (8 Credit Hours)	Humanities (3 Credit Hours)
MATH 1314	PHED Activity (1 Credit Hour)
PHED 1134	PSYC 2301
SOCI 1301	SOCI 2301 or 2336
SPCH 1315 or 1321	Computer (3-4 Credit Hours)
Visual/Fine Arts (3 Credit Hours)	