Radiological science involves technologists use X-rays to see the inside of the human body. Health care today utilizes an array of imaging technologies such as ultrasound, computed tomography (CT), nuclear medicine, positron emission tomography (PET) and magnetic resonance imaging (MRI) to diagnose or treat injuries and/or diseases, which students will have the opportunity to observe.

Radiological science majors at Pitt-Bradford take courses in Psychology, Sociology, Human Anatomy & Physiology, Modern Physics, Technical Writing and Bio-Ethics. Students receive hands-on training by taking two years of courses (junior and senior year) at the School of Radiology at the Bradford Regional Medical Center.

**Employment Opportunities:**
- Breast imaging
- Chest Radiology
- Emergency Radiology
- Gastrointestinal Radiology
- Genitourinary Radiology
- Head and Neck Radiology
- Musculoskeletal Radiology
- Neuroradiology
- Pediatric Radiology
- Interventional Radiology
- Nuclear Radiology
- Radiation Oncology

**Required Skills:**
- Hospitals
- Clinical Practice
- Outpatient Care Centers
- Health Departments
- Physicians’ Offices
- Emergency Care Centers

**Possible Employers:**
- Listening
- Sensitivity
- Technology
- Communication
- Team Work
- Medical Background

**PROFESSIONAL ORGANIZATIONS:**
- American Society of Radiologic Technologists
- The American Registry of Radiologic Technologists
- Joint Review Committee on Education in Radiologic Technology

**FIND OUT MORE ABOUT CAREERS IN RADIOLOGICAL SCIENCE AT:**
- RadiologyInfo.org
- Occupational Outlook Handbook
- Pennsylvania State Licensure
- Career Services
Radiological Science (BS) – Curriculum Guide

Student Name: 

General Education Requirements

Competencies (Minimum grade of C- required in all competencies)

☐ FS 0102 Freshman Seminar
  (if transferring in fewer than 18 credits)

Writing

☐ ENG 0101 English Composition I
☐ ENG 0102 English Composition II

Mathematics

☐ MATH 0110 Fundamentals of Mathematics

The Human Experience

☐ Students new to Pitt-Bradford beginning fall 2013 are required to complete two courses designated as “Global”
  This replaces the previous Non-Western requirement

Arts & Letters (One course MUST be literature;
One course MUST be a creative, fine or performing Arts course)

☐ Literature
☐ Arts
☐ Literature, Arts, Language

Behavioral, Economic, & Political Sciences

(Two different categories must be represented)

☐ PSY 0101 Introduction of Psychology
☐ SOC 0101 Introduction of Sociology
☐ Economics or Political Sciences

History, Cultures, & Philosophical Inquiry

(One course MUST be History, and One course must be Cultures or Philosophical Inquiry)

☐ HIST
☐ PHIL 0214 Bioethics

Physical, Life, & Computational Sciences

(One course must be a Physical Science, One must be a Life Science and One must include a lab)

☐ PHYS 0103 Concepts of Modern Physics
☐ BIOL 0212/+0222 Human Anatomy & Physiology I
☐ BIOL 0213/+0223 Human Anatomy & Physiology II
☐ Lab (BIOL 0222 and 0223)

Physical Education

☐ PEDC

Required Major Courses

☐ RADSC 0111 Basic Human Needs
☐ RADSCI 1451 Capstone Radiological Science
☐ Elective -1 credit
☐ Elective -3 UL credits
☐ Elective -3 UL credits
☐ WRITNG 1305 Technical Writing

Required Radiological Science Courses Include:

Introduction to Radiological Technology and Medical Ethics
Medical Terminology
Radiographic Anatomy & Physiology
Radiographic Physics
Radiographic Procedures I
Radiographic Procedures II
Radiographic Image Evaluation I
Clinical Experience
Radiographic Procedures III
Radiation Protection II
Radiographic Film Processing
Radiographic Pathology
Radiographic Exposures
Clinical Experience
Clinical Experience
Radiographic Procedures III
Special Equipment and Maintenance
Radiographic Image Evaluation II
CT Instrumentation and Physics
Senior Project Planning
Clinical Experience
Radiation Biology
CT Anatomy & Physiology
Department Administrative Technique
Radiographic Film Evaluation III, IV
Clinical Experience
Clinical Review
Clinical Experience

According to your Degree Progress Report in MY.PITT.EDU upon successful completion of the current term:

You will have earned ________ credit hours
You NEED ________ for 120 credit hours required for graduation.
You will have earned ________ credit hours of Upper Level course work.
You NEED ________ for the 30 credit hours required for graduation.

Note: This guide is unofficial. Completing the requirements on this sheet does NOT guarantee degree completion. Official degree completion information can be found in MY.PITT.EDU. Contact your Faculty Advisor and/or the Registrar’s Office with questions or concerns.