SCOTT COMMUNITY COLLEGE
RADIOLOGIC TECHNOLOGY PROGRAM
DESCRIPTION

In the mid-1970's, SCC established a program to educate students in the field of radiologic technology. The Radiologic Technology Program at SCC is a two-year, full-time program admitting a limited number of students in the fall of every year. Full-time vs part-time students: Students in the pre-RT category may attend part-time, but once accepted into the RT program, due to the nature of the program content, the RT curriculum requires full-time participation. Classroom instruction is coupled with supervised clinical experiences at local hospitals and clinics. Students in the program can expect to spend approximately 30 hours per week in class or clinic and another 10-20 hours studying. In addition to the profession of Radiologic Technology, students in the program are exposed to other imaging modalities such as computed tomography, sonography, magnetic resonance imaging, nuclear medicine and radiation therapy. This program is fully accredited by the Joint Review Committee on Education in Radiologic Technology and graduates are eligible to write the national examination given by the American Registry of Radiologic Technologists (ARRT). (Be advised that if you have been convicted of a crime with the sole exception of speeding and parking violations, you may not be eligible to take boards. For further inquiries concerning this, contact the ARRT directly at (651) 687-0048 or visit their web site at www.arrt.org)

PROGRAM GOALS

The goal of the program is to graduate students who:

- function as clinically competent Radiologic Technologists.
- demonstrate critical thinking and problem solving skills
- effectively communicate as a Radiographer
- exhibit professional behaviors and who understand the importance of professional development and growth
- will perform as entry level radiographers to meet the needs of the health care community

PROGRAM MISSION

The Scott Community College Radiologic Technology Programs is a part of the Allied Health Department in the Applied Technology Division. The program's mission is to prepare clinically competent students for entry level positions in Radiologic Technology. In addition, prepare students who can effectively communicate and critically think in the practice of Radiologic Technology. In doing so, instill a sense of pride for the profession, compassion and empathy for their fellowman, and a desire for professional growth.

DESCRIPTION OF THE PROFESSION

A Radiologic Technologist must be a mature, dependable person who is "people oriented" and generally interested in caring for the sick and disabled. Radiographers take x-ray images (radiographs) of all parts of the human body for diagnosing medical problems. Radiographers position the patients, who either lie on a table, sit or stand so that the correct parts of the body can
be radiographed. In addition to the Xray department, radiographers may take portable Xray machines to other areas of the hospital including the emergency room, operating room and intensive
care unit. Radiologic Technologists work with ionizing radiation and know how to protect themselves and their patients from unnecessary exposure to x-rays. With proper safety procedures followed, the amount of occupational exposure received by a radiographer is very low.

TYPICAL DUTIES OF RT's

Performs diagnostic radiographic services to include:

- Operates imaging equipment.
- Operates other equipment/devices as appropriate.
- Positions patients.
- Immobilizes patients as necessary.
- Calculates exposure factors.
- Practices radiation protection.
- Evaluates radiographic images for technical quality.
- Assumes care for physical and psychological needs of patients during examinations and procedures.
- Practices aseptic techniques as necessary.
- Assists with administration of contrast media.
- Assists physician with imaging procedures.
- Initiates life support measures for patient, if necessary
- Maintains patient records.
- Assumes responsibility for assigned area.
- Provides input for equipment and supply purchase decisions.
- Instructs specific units of didactic and/or clinical education in the radiography program, if applicable.
- Assumes responsibility for portions of the quality assurance program.
- Pursues ongoing continuing education.
- May control inventory and purchase of supplies for assigned area.

JOB OUTLOOK

The job market for Radiologic Technologists is constantly fluctuating due to a number of factors, including economic instability, hospital closures and mergers, and health care reform. The program faculty can give you the most up-to date information on current trends in the area and nationally.

EMPLOYMENT OPPORTUNITIES

Graduates will find employment opportunities in hospitals, clinics
and other health care facilities. Radiographers generally work a 40-hour week that may include evening, weekend, holiday or on-call hours. Many radiographers also work part-time. Entry level salaries for graduates of this program will vary depending on employment situations and individual graduate's background. Median annual earnings for radiologic technologists who work year round, full-time are $30,000-$50,000. Technologists with specialized skills earn more. Graduates may continue their education toward a baccalaureate degree or choose additional training to specialize in one of the many other radiologic imaging modalities. SCC has an agreement with Carl Sandburg College in Illinois to offer advanced diagnostic imaging certification for our RT certified graduates. Ask your advisor for details.

ADVISING

Upon admission, students will be assigned a faculty advisor. Prior to admission, prospective students will receive academic advisement through full-time advisors and counselors on staff in the student development offices. Please contact the program director for the most up-to-date information on the program.

PROGRAM FACULTY

The Radiologic Technology program faculty are here to assist you in your career goals.
Program Director: Jan Jacobs, MA, RT(R)
Clinical Coordinator: Jay Rakus B.A., R.T.(R)
Several adjunct faculty and clinical instructors.

FOR MORE INFORMATION

If you would like to know more about the Radiologic Technology program at SCC visit our web site at:
http://www.eicc.edu/highschool/programs/career/health_careers/radiology/index.html or contact:

Scott Community College
Admissions Office Radiography Program
500 Belmont Road Scott Community College

Bettendorf, IA 52722-6804 500 Belmont Road
(563) 441-4000 Bettendorf, IA 52722
toll free 1-888-336-3907
(563) 441-4265 Jan Jacobs (Program Director)
www.eicc.edu/

PERFORMANCE STANDARDS
The Radiologic Technologist must have sufficient strength, motor coordination and manual dexterity to:
1. Transport, move, lift and transfer patients from a wheelchair or cart to an examination table or to a patient bed: and
2. Move, adjust and manipulate a variety of equipment, including the ability to arrange and align the equipment with respect to the patient and the image receptor according to established procedure and standards of speed and accuracy.

The Radiologic Technologist must be capable of:

1. Handling stressful situations related to technical and procedural standards and patient care situations; and
2. Providing physical and emotional support to the patient during the radiologic procedures, being able to respond to situations requiring first aid and providing emergency care to the patient in the absence of, or until the physician arrives; and
3. Communicating verbally in an effective manner in order to direct patients during radiologic examinations; and
4. Reading and interpreting patient charts and requisitions for radiologic examinations.

The Radiologic Technologist must have the mental and intellectual capacity to:
1. Calculate and select proper technical exposure factors according to the individual needs of the patient and the requirements of the procedure's standards of speed and accuracy; and
2. Review and evaluate the recorded images for the purpose of identifying proper patient positioning, accurate procedural sequencing, proper exposure, and other appropriate and pertinent technical qualities.

CURRICULUM

Freshman Year - Fall Semester
*BIO: 168 A & P I 4
RAD: 100 Intro to Rad Tech and Patient Care 5
RAD: 123 Radiographic Procedures I 5
RAD: 350 Imaging 3
Total semester hours: 17

Spring Semester
RAD: 143 Radiographic Procedures II 5

RAD: 300 Radiographic Exposure	4
RAD: 210 Clinical Practicum I	4
*HSC:113 Medical Terminology	2
*BIO: 173 A & P II	4

Total semester hours: 19

Summer Session

RAD: 183 Special Procedures	3
RAD: 220 Clinical Practicum II	3

Total semester hours: 6

Sophomore Year - Fall Semester

RAD: 800 Physics for Radiographers	3
RAD: 760 Film Evaluation I	2
RAD: 500 Clinical Practicum III	6
*PSY: 111 General Psychology I	3
or	
*SOC:110 Sociology	

Total semester hours: 14

Spring Semester

RAD: 750 Pathology	3
RAD: 790 Film Evaluation II	2
RAD: 850 Radiation Biology	3
RAD: 510 Clinical Practicum IV	6
*SPC: 112 Principles of Speech	3
or	
*ENG:105 English Composition I	

Total semester hours: 17

Summer Session

RAD: 890 Quality Assurance	1
RAD: 945 Seminar	2
RAD: 540 Clinical Practicum V	3

Total semester hours: 6

AWARD: Associate of Applied Science Degree

*These courses will be taken while waiting to enter the program
- see admission criteria.

ADMISSION REQUIREMENTS

Students will be placed on the pre-rad list by date of application to the college or change of major date to Radiologic Technology while obtaining the 12 core college credits for the

program. Students will be evaluated each spring during the interview according to the admission criteria below and if met, will be ranked by total points scored through the program requirements.

A candidate for admission to the Radiologic Technology Program must:

1. Submit the college admission application in person or by mail. You will then be placed in the Pre-RT category until you are officially accepted into the program. On-line application: http://www.eicc.edu/highschool/gettingin/applying/Index.html

2. Send all High School and college transcripts to:
   Admissions Department
   Scott Community College
   500 Belmont Road
   Bettendorf, Iowa 52722

3. **Have and maintain an overall CGPA of 2.5 or higher in the post-secondary courses taken at Scott Community College or other college facilities.**

4. High School graduate or GED.

5. Complete the ACT examination or complete the appropriate compass tests, required by the Admissions Office and have the placement test scores sent to Jan Jacobs director of the Radiology Program.

6. High School courses in algebra, biology and chemistry or physics with a "C" or better or one college semester of each with a grade of "C" or better.

7. 12 semester hours of completed college work with a "C" or better including the following courses: (first preference will be given to those who have completed A&P II in addition to these)
   Anatomy and Physiology I
   Medical Terminology
   English Composition I or Speech
   Sociology or Psychology

8. In order to be considered for the next fall class, you need to contact Jan Jacobs (563) 441-4265 between the dates of January 15-30, 2011 to set up an informal interview for program admission. The student will need to provide all the information for the point calculation for entrance into the program. Students will be notified of acceptance into the program by April 1st. A new class will begin each fall. If class capacity is not met in March, students will be re-evaluated on the above criteria in May.

9. Attend at least one program orientation session, held at 9:00 am on the college advising days in the spring and fall semester.

10. After acceptance into the program, students must complete a minimum of 8 hours of job shadowing.

HEALTH REQUIREMENTS

Each allied health student must have an insurance plan to cover any injury or illness requiring hospital treatment or surgery. In addition, all students are required to submit evidence of good health through a physical examination and immunization form. Proof of successful completion of a course in CPR for health care providers through the American Heart Association is also required. These requirements will be due after the student starts the program.

ESTIMATED PROGRAM COSTS

TUITION: For entire program, approximately:
$8,453 (in-state)*
$12,679.50 (out-of-state)*
* Tuition is subject to change by the EICCD Board of Trustees.

HEALTH COSTS: approximately $600 (see below)
CPR & renewal $65
Insurance policy: $200/year (student policy)
Hepatitis B vaccine: $150-200 (optional)
Background check $30-40
Physical exam: $75-100

BOOKS: approximately $1100 (entire program)

SUPPLIES: approximately $60.00
Name tag
Lead markers
School insignia patches

UNIFORMS: approximately $250
3 white uniforms
1 lab coat
1 pair of clinic shoes

FILM BADGE: Approx. $90 per year

TRANSPORTATION:
Students are responsible for providing their own transportation to all cooperating agencies.

FINANCIAL AID:
Scott Community College offers a full range of financial aid options.
For more information, contact:

Scott Community College
Financial Aid Office
500 Belmont Road
Bettendorf, IA 52722
(563) 441-4040

The SCC foundation awards a Radiologic Technology scholarship yearly to a second year student enrolled in the Radiologic Technology program. Contact the financial aid office for further information.