

FACULTY

Bryan K. Steele, LPH, Radiology Engineer

Bryan is an engineer in the St. Vincent Healthcare Clinical Engineering Department. His specialty training in the radiography field includes advanced courses in Radiography, Mammography, Cardiac, and Medical Film Processors. He has attended training at manufacturers' schools including General Electric, Fuji Medical, Philips Medical Systems, Siemens Medical Solutions, Eastman Kodak and Lorad Medical. He has been teaching classes for Limited Permit Holders since 1997.

TerriAnn Linn-Watson, MED, R.T., RDMS

TerriAnn graduated from St. Vincent's School of Rad Tech. She has her BSHS from the University of Redlands and M.Ed from the University of LaVerne, both in California. All coursework and exams for a PhD are from the University of California in Riverside. Additionally, she holds certifications in ultrasound, mammography and fluoroscopy. TerriAnn has been a program director, clinical coordinator and professor in California and Montana. She is now the Radiologic Technologist at RiverStone Health Clinic. As a published author with textbooks in medical procedures and pathology, TerriAnn is a speaker at professional conferences. She traveled extensively in her role as site visitor and team chair for the JRCERT, the accreditation body for Radiologic Technology programs. TerriAnn currently is listed as an expert witness and has several legal cases that she is working on in 4 states. TerriAnn has been teaching limited permit holders since 2012.

Joy L. Gignac, BS, RT(R)

Joy is a radiologic technologist registered by the ARRT, committed to providing high-quality radiologic services. She has expertise in fixed & mobile radiography, CR, DR, fluoroscopy, OR, RIS/PACS support, ED and trauma. Joy mentors radiology students in the hospital setting and has been teaching limited permit students since 2008.

BASIC X-RAY TECHNIQUES

**THIS SEMINAR IS DESIGNED FOR
THOSE PERSONS PREPARING TO**

TAKE THE

**MONTANA STATE X-RAY
LIMITED PERMIT EXAM**

AND

**MEETS THE EDUCATIONAL
REQUIREMENTS OF THE NORTH
DAKOTA RADIOLOGIC HEALTH
RULES 33-10-06-03 FOR LIMITED
X-RAY OPERATORS**

SEPTEMBER 11-12-13-14, 2015

AND

SEPTEMBER 25-26-27-28, 2015

**RIVERSTONE HEALTH
123 SO. 27TH STREET
BILLINGS, MONTANA**

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RIVERSTONE HEALTH
123 SO 27TH STREET
BILLINGS, MONTANA 59101**

RETURN SERVICE REQUESTED

State of Montana-Department of Labor & Industry
Board of Radiologic Technologists

Course Requirements for Limited Permit Applicants

- (1) All courses shall be approved by the Board.
- (2) A basic 56 hour course shall be required for all permit applicants
- (3) Additional courses and clinical competencies to include anatomy, physiology, positioning, pathology, x-ray technique, and proper handling of trauma patients, shall be required for the applicant to qualify for examination in each of the specified limited x-ray procedures. Course length specified for each limited x-ray procedure are:
 - (a) chest - four hours
 - (b) extremities - eight hours
 - (c) spine - eight hours
 - (d) skull - eight hours
 - (e) abdomen - four hours
 - (f) GI tract and associated overhead films - eight hours,
 - (g) positioning - eight hours

**BASIC X-RAY TECHNIQUES
COURSE AGENDA**

Course Agenda	Hours Classroom	Hours Corr.	Hours TOTAL
RADIATION SAFETY & PROTECTION			
Fundamentals of Radiobiology	1	0	1
Radiation Safety & Protection	6	8	14
Adverse Contrast Reaction	0	1	1
IMAGE ACQUISITION & EVALUATION			
Radiographic Technique &			
Principles of Exposure	8	7	15
Inter-relationship of the			
Radiographic Chain	2	0	2
FILM CRITIQUE			
MEDICAL, LEGALÐICAL	4	0	4
EQUIPMENT OPERATION AND QUALITY CONTROL			
X-ray Physics/Imaging Equipment	7	6	13
Darkroom Procedures	2	0	2
	34	22	56

Radiographic Positioning & Related Anatomy- Classroom

Hours	
Chest	4 hours
Extremities (Hip & Pelvis)	8 hours
Spine (4 hours Correspondence)	8 hours
Skull/Sinuses (2 hours Correspondence)	8 hours
Abdomen	4 hours
GI Overhead (4 hours Correspondence)	8 hours
Positioning (3 hours Correspondence)	8 hours
	48 hours

CORRESPONDENCE PORTION

Materials will be e-mailed to you upon receipt of registration. This will include study materials, and eleven (11) exams. A 75% minimum passing grade must be achieved on the correspondence exams before attending the classroom portion.

We strongly suggest that you observe and familiarize yourself with the x-ray equipment prior to attending the class. It is also recommended that you have a basic knowledge of anatomy.

CLASSROOM PORTION

The classroom portion will be held on September 11-12-13-14 and continue on September 25-26-27-28 in the Lil Anderson Center -RiverStone Health, Billings, Montana. Class will be held each day from 8am-6pm (1 hour for lunch-you will be on your own for lunch).

CLASS SCHEDULE AS FOLLOWS:

FIRST WEEKEND

Friday, September 11.....	Basic-9 hours
Saturday, September 12.....	Basic-9 hours
Sunday, September 13.....	Basic-9 hours
Monday, September 14.....	Basic-9 hours

SECOND WEEKEND

Friday, September 25.....	Positioning & Anatomy-9 hours
Saturday, September 26.....	Positioning & Anatomy-9 hours
Sunday, September 27.....	Positioning & Anatomy-9 hours
Monday, September 28.....	Positioning & Anatomy-6 hours

**BASIC X-RAY TECHNIQUES
REGISTRATION FORM**

Name _____

Address _____

City _____ State _____ Zip _____

Telephone (H) _____ (W) _____

E-MAIL REQUIRED _____

Occupation _____

Employer _____

Employer Street Address _____

REGISTRATION DEADLINE: AUGUST 28th
EARLY REGISTRATION RECOMMENDED

___ \$995 REGISTRATION FEE PER PERSON

The registration fee includes: 35 hour correspondence course, eight days of classroom instruction, handouts in class and refreshments at breaks. You will be on your own for lunch and will need to purchase your textbook (see below)

\$100 ADDITIONAL LATE FEE AFTER AUG. 28th

When buying the required book online (Amazon.com or Elsevier.com) - make sure you purchase Textbook of Radiographic Positioning & Anatomy- Bontrager, 8th Edition ISBN 978-0-323-08388-1

If you need to purchase a book from me please include an additional \$195 with your registration fees.

___ \$195 for book if needed

TOTAL AMOUNT ENCLOSED

Make checks payable and return to:
RIVERSTONE HEALTH
Attention AHEC
123 SO. 27TH STREET
BILLINGS, MONTANA 59101
Telephone (406) 247-3336
claudia.jan@riverstonehealth.org

**UPON RECEIPT OF REGISTRATION FEES,
THE FOLLOWING WILL BE E-MAILED TO YOU:**

Housing Information
35 hour Correspondence Course **-Includes 11 exams - must be successfully completed and returned before attending the classroom portion**

One book-if ordered will be mailed separately

Registration Fee is Non-refundable after August 28th.
Registration fee will be refunded if the program is cancelled.
The sponsor reserves the right to cancel the program if it becomes necessary.
Refunds are subject to a \$200 cancellation fee.

****ATTENTION MONTANA
LIMITED PERMIT APPLICANTS****

January 2010 the Montana Board of Radiologic Technologists approved a rule change requiring all limited permit applicants to complete 104 hours classroom AND hands-on clinical practice, prior to sitting for the Montana exam. We recommend MT limited permit applicants arrange for their clinical site before registering for class. Registration for our 104 hour program does not provide assistance in acquiring a clinical.

For information regarding clinical requirements contact:

**Montana Board of Radiologic Technologists
(406)841-2300**

**EASTERN MONTANA AHEC-RIVERSTONE
HEALTH BASIC X-RAY TECHNIQUES
PROGRAM HAS BEEN:**

- *APPROVED BY THE STATE OF MONTANA BOARD OF RADIOLOGIC TECHNOLOGISTS
- *MEETS THE EDUCATION REQUIREMENTS OF THE NORTH DAKOTA RADIOLOGIC HEALTH RULES 33-10-06-03 FOR LIMITED X-RAY OPERATORS
- *THIS ACTIVITY IS APPROVED FOR 67.5 CREDITS BY THE ASRT-AMERICAN SOCIETY OF RADIOLOGIC TECHNOLOGISTS
- *AN EXCELLENT RESOURCE FOR THE REGISTERED TECHNOLOGIST WHO NEEDS A REFRESHER COURSE

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