

**641—42.33 (136C) Standards for formal education for X-ray equipment operators in bone densitometry.**

**42.33(1)** The following are the minimum standards:

*a.* A principal instructor shall have at least two years of current experience in radiography and bone densitometry and shall:

- (1) Be an Iowa-permitted general radiologic technologist; or
- (2) Hold a current ARRT registration if the clinical site is located outside of Iowa.

*b.* A clinical instructor shall have at least two years of current experience in radiography and bone densitometry and shall:

- (1) Be an Iowa-permitted limited radiologic technologist; or
- (2) Be an Iowa-permitted X-ray equipment operator in bone densitometry; or
- (3) Be an Iowa-permitted general radiologic technologist; or
- (4) Hold a current ARRT registration if the clinical site is located outside of Iowa.

*c.* Clinical instructors shall be supervised by the principal instructor.

*d.* A principal instructor shall also act as clinical instructor, if applicable.

*e.* The following are classroom and clinical standards:

(1) A minimum of 8.0 hours of classroom instruction to include radiation safety, equipment operation, quality control, patient care, and anatomy.

(2) Clinical instruction to include positioning and a minimum of 10 projections excluding the competency projections.

(3) Clinical competency projections shall include 5 projections.

(4) All competency testing shall be directly supervised by the principal or clinical instructor.

(5) Clinical instructors shall directly supervise all students before the student's competency for the specific projection is documented and indirectly supervise after the student's competency for the specific projection is documented.

**42.33(2)** Department approval is required before implementing any formal education or making any changes to a formal education offering.

**42.33(3)** Administrative items for all formal education:

*a.* The department reserves the right to audit or evaluate any aspect of the formal education or student progress.

*b.* The department may at any time require further documentation.