Elgin Community College
Bright Choice. Bright Future.

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ELGIN COMMUNITY COLLEGE
RADIOGRAPHY PROGRAM
PROGRAM EFFECTIVENESS DATA

PROGRAM MISSION

Elgin Community College's radiography program is a JRCERT-accredited associate degree program which provides accessible and relevant education in accordance with the highest professional standards. The Program, in partnership with its clinical partners, will graduate competent radiographers that practice excellent patient-centered care to the diverse populations within the community.

PROGRAM GOALS AND EXPECTED OUTCOMES

- **The Program will graduate competent radiographers**
  Expected Outcomes: Students/graduates will produce quality radiographs by:
  - Producing quality radiographic images
  - Practicing effective radiation safety for the patient, him or herself and others
  - Demonstrating overall competence in clinical practice

- **The student/graduate will develop and practice proficiency in problem-solving and critical thinking skills**
  Expected Outcomes: Students/graduates will demonstrate proficiency in problem-solving and critical thinking skills by:
  - Modifying standard procedures to accommodate patient condition and other variables
  - Determining the need and adapting exposure factors for various patient conditions, equipment, accessories and contrast media to maintain appropriate radiographic quality.
  - Evaluating radiographic images for appropriate positioning and image quality and make appropriate adjustments to obtain a diagnostic radiographic image.

- **The student/graduate will practice effective communication skills in the clinical setting.**
  Expected Outcomes: Students/graduates will practice effective communication skills in the clinical setting by:
  - By demonstrating effective communication skills

- **The student/graduate will conduct him or herself in a professional manner.**
  Expected Outcomes: Students/graduates will conduct him or herself in a professional manner by:
  - By demonstrating professional values and behavior in clinical practice.
  - Demonstrating professional growth through participation in lifelong learning.

- **The student (graduate) will provide excellent patient care for a diverse population of patients.**
  - By demonstrating increased understanding of the importance of cultural competence in clinical practice
  - By demonstrating increased awareness of the impact of current trends and changes in healthcare affecting global population.

- **The Program will provide the healthcare community with qualified radiographers. Expected Outcomes;**
  - A retention rate of 75% or higher
  - The 5-year average employment rate of graduates within one year of graduation will be 75% or greater. A positive outcome is defined as employment in the field for those graduates who declare they are <u>actively seeking</u> employment in the field or <u>pursuing continued education in the field</u>.
  - First time pass rates of the cohort of graduates on the ARRT credentialing exam will be consistent with or above the national passing rates each year of the exam, with a minimum pass rate of 75%.
  - Mean scores of cohort of graduates on the ARRT credentialing exam will be consistent with or above the national mean scores each year.
  - The mean score on the employers' satisfaction survey of the graduates' preparation for employment will be 3.0 (meets expectations) or higher on a 5.0 (exceeds expectations) point scale.

PROGRAM EFFECTIVENESS DATA

**Note—Graduate follow-up surveys are sent to graduates 1 year after graduation.

Expected Outcome:
PROGRAM COMPLETION RATE (PCR) of 75% or higher.
Program retention is defined as the number of students who complete the program within 150% of the stated program length. The program length is 24 months (6 semesters).

Year graduating from the program	Percent of program completers	Number of students in cohort
2010	81.25%	16 began; 13 graduated • 2 academic failure; 1 voluntary withdrawal
2011	87.5%	16 began; 14 graduated • 1 clinical failure; 1 voluntary withdrawal
2012	81.25%	16 began; 13 graduated • 2 clinical failures; 1 voluntary withdrawal
2013	87.5%	16 began; 14 graduated

		• 1 re-entry; 2 clinical failures; 1 voluntary withdrawal
2014	**81.25%**	16 began; 13 graduated • 1 academic failure; 2 voluntary withdrawals
2015	**50%**	16 began; 8 graduated • 3 academic failures; 5 voluntary withdrawals
2016	**87.5%**	16 began: 14 graduated • 2 academic failures; 1 voluntary withdrawal; 1 re-entry
2017	**62.5%**	16 began; 10 enrolled • 4 voluntary withdrawals; 1 re-entry; 3 academic/clinical failure;
2018	**(81.25%)**	16 began; 13 enrolled 2 voluntary withdrawals; 1 dismissal
(2013-2017) **5 year average**	**73.75.5%**	Mean = 73.75% (59/80)

Expected Outcome:

The 5-year average JOB PLACEMENT RATE of graduates within one year of graduation will be 75% or greater. A positive outcome is defined as employment in the field for those graduates who declare they are <u>actively seeking</u> employment in the field or <u>pursuing continued education in the field</u>.

Year graduating from the program	% Employed within 1 year of graduation	Number of Students in cohort
2010	**100%**	13; 12 of 13 completed graduate survey 1 not actively seeking employment 12 of 12 employed within 12 months of graduation
2011	**100%**	14; 14 of 14 completed graduate survey 2 not actively seeking employment 12 of 12 employed within 12 months of graduation
2012	**100%**	13; 9 of 13 completed graduate survey 3 not actively seeking employment 2 continuing education in the field 8 of 8 employed within 12 months of graduation
2013	**100%**	14; 13 completed graduate survey 2 not actively seeking employment 1 continuing education in the field 11 of 11 employed within 12 months of graduation

2014	83.3%	13; 13 of 13 completed graduate survey 4 continuing education in field; 3 not actively seeking 5 of 6 currently employed; (1 unemployed);
2015	100%	8; 5 of 8 completed graduate survey 3 continuing education in field; 1 not actively seeking employment 4 of 4 currently employed within 12 months of graduation
2016	100%	14; 8 of 14 completed graduate survey 5 continuing education in field (4/5 are also currently working in the field; 2 not actively seeking employment 7 currently employed within 12 months
5 - year average 2012-2016	94.2%	33 employed/35 who actively sought employment

Expected Outcome

CREDENTIALING EXAM PASS RATES of the cohort of graduates on the ARRT (American Registry of Radiologic Technologists Radiography) credentialing exam will be consistent with or above the national passing rates each year of the exam, with a minimum pass rate of 75%.

Year	Number of students in cohort	ECC % Passing on 1st attempt	National % Passing on 1st attempt	State % Passing on 1st attempt
2010	13 of 13 passed on 1st attempt	100%	91.49%	No data available
2011	14 of 14 passed on 1st attempt	100%	92.7%	No data available
2012	13 of 13 passed on 1st attempt	100%	93%	No data available
2013	13 of 13 passed on 1st attempt (1 graduate did not take the exam)	100%	89.6%	No data available
2014	13 of 13 passed on 1st attempt	100%	88.9%	90.3%

2015	8 of 8 passed on 1st attempt	100%	88.4%	87.7%
2016	13 of 13 who took the ARRT exam passed on 1st attempt	100%	87.2%	No data available
5 year average 2012-2016	60 of 60 passed on 1st attempt	100%		

Expected Outcome

MEAN SCORES ON CREDENTIALING EXAM of cohort of graduates on the ARRT (American Registry of Radiologic Technologists Radiography) credentialing exam will be consistent with or above the national mean scores each year.

Year	Mean Score	National Mean	ECC Compared to National	State Mean	ECC Compared to State
2010	89	84.3	Exceeds	84.7	Exceeds
2011	91	85.1	Exceeds	84.3	Exceeds
2012	89.6	85.3	Exceeds	84.8	Exceeds
2013	91.9	84.1	Exceeds	83.9	Exceeds
2014	91.8	83.8	Exceeds	83.9	Exceeds
2015	92.375	83.7	Exceeds	83.6	Exceeds
2016	91.8	Data not yet available		Data not yet available	

Expected Outcome

The mean score on the employers' satisfaction survey of the graduates' preparation for employment will be 3.0 (meets expectations) or higher on a 5.0 (exceeds expectations) point scale.

Year	Number of Responses	Exceeds expectations	Meets expectations	Does not meet expectations	Mean score of cohort
2010	9	5	4	0	4.1
2011	6	4	2	0	4.33
2012	5	5	0	0	5
2013	10	9	1	0	4.8
2014	4	2	2	0	4.0

2015	**In progress**				
2016					
5 year average 2010-14					4.446

ACCREDITATION INFORMATION

The **Joint Review Committee on Education in Radiologic Technology (JRCERT)** accredits the Radiography Program. This accreditation is important because it indicates that the program is committed to academic excellence, health care quality and patient and professional safety. JRCERT accreditation demonstrates that the program adheres to the national educational standards that have been accepted by the profession. Elgin Community College's Radiography Program has a full 8-year accreditation which it received in 2012. In addition, Elgin Community College is accredited by the Higher Learning Commission (HLC). Effectiveness data for the program is available on the JRCERT and Elgin Community College websites. Contact information for the JRCERT:

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