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NEW PROGRAM PROPOSAL FORM

Sponsoring Institution(s): State Fair Community College

Program Title: Advanced Placement Radiography

Degree/Certificate: Associate of Applied Science

Options:


Delivery Site(s): State Fair Community College, Sedalia Campus

CIP Classification: 51.0911

Implementation Date: Spring 2015

Cooperative Partners:

AUTHORIZATION:

Dr. Brent Bates, Vice President of Educational Services		6/24/2014
Name/Title of Institutional Officer	Signature	Date

Dr. Brent Bates	660-596-7252	bbates@sfccmo.edu
Person to Contact for More Information	Telephone	

Rationale for the Advanced Placement Radiography program

SFCC personnel have been contacted at least once a month about whether an Advanced Placement Radiography training option was available. The current Radiologic Technology Program Director was contacted by supervisory radiology personnel from Ft. Leonard Wood asking about the potential for offering Advanced Placement Radiography because they had several military members who were seeking this form of training. The largest single body of individuals who may need this training are military radiographers. The current program director completed radiography training in the military and continues to have contacts through which suggestions, feedback, and distribution of materials will be enhanced.



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STUDENT ENROLLMENT PROJECTIONS

Projected student enrollment has been estimated at 20 students each year. This estimation was developed after inquiry emails were sent to several military installations. Within approximately a one month time-frame over 50 responses were returned asking for additional information, when the training would begin, and how to enroll. This number is also based on the ability of one instructor and one part-time support staff member to process application materials, effectively teach, communicate, monitor required clinical components, develop affiliation agreements, and complete follow-up.

Year	1	2	3	4	5
Full Time	20	20	20	20	20
Part Time	0	0	0	0	0
Total	20	20	20	20	20

Market demand/societal need – SFCC is contacted at least once a month about whether we offer Advanced Placement Radiography training. Representatives for this program have contacted the ARRT education representative, Mr. Joey Battles, and inquired about the need for this type of program. Mr. Battles stated that he processes approximately six applications per week for Advanced Placement and receives phone calls several times a week from people looking for Advanced Placement training options. He has stated he will be happy to share our information with the people who contact him. I have only located one program in the United States that is set up similar to this proposal. PIMA currently accepts 30 students three times per year. All other programs reviewed mainly cater to student who were initially trained in their own program and have not successfully passed the ARRT registry. They bring them back into their own program at a designated point but generally do not accept students initially trained by other programs. Please see information listed in previous questions also.

Program duplication – As stated previously, the only other program located in the United States that is set up similar to our proposal is PIMA. All other programs generally retrain their own graduates. PIMA offers an online associate degree advance placement radiography program. The cost of this program is right under \$20,000 which includes tuition, books, and fees (a total of 49.5 credit hours) for 49 weeks of training. The 49 weeks of training spans a 13 month timeframe. PIMA currently accepts 30 students three times per year; for a total of 90 students per year.

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Form SF - Student Enrollment Projections



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PROGRAM STRUCTURE

- A. Total credits required for graduation: 76 cr hrs
- B. Residency requirements, if any: Complete at SFCC at least 15 credit hours toward the degree.
- C. General education: Total credits: 15

Courses (specific courses OR distribution area and credits):

Mathematics 3 cr. Communications 3 cr. American Institutions 3 cr.

Six (6) credit hours of general education courses from two of the following areas: Communication, Mathematics, Social and Behavioral Sciences, Higher Order Thinking, Valuing, Managing Information, Life and Physical Science (Please see attachment: AAS APR Gen Ed Courses)

- D. Major requirements: Total credits: 61 credit hours – Please see attachment: AAS APR Required Courses See attachment please
- E. Free elective credits: 0 (Sum of C, D, and E should equal A.)
- F. Requirements for thesis, internship or other capstone experience: None
- G. Any unique features such as interdepartmental cooperation: None

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Form PS – Program Structure

General Education requirements for A.A.S.
Advanced Placement Radiography

General Education Core 15 Hours

Communications 3 Hours

ENGL 101 English Composition I 3
ENGL 102 English Composition II 3
ENGL 110 Business Communications 3
ENGL 112 Technical Writing 3

Mathematics 3 Hours

MATH 101 Business Math 3
MATH 107 Technical Math I 3
MATH 108 Technical Math II 3
MATH 112 Intermediate Algebra 3
MATH 114 College Algebra 3
MATH 116 Finite Math 3
MATH 117 Contemporary Mathematics 3
MATH 120 Trigonometry 3
MATH 122 Precalculus Math 5
MATH 125 Calculus for Business 3
MATH 127 Business Statistics 3
MATH 130 Calculus and Analytic Geometry I 5

American Institutions 3 Hours

HIST 101 U.S. History Before 1877 3
HIST 102 U.S. History Since 1877 3
POLS 101 American/National Government 3
These courses satisfy the state requirement for the Missouri Constitution. Students transferring credit for American history or national government from out-of state must complete POLS 102 Missouri Constitution.

General Education Electives* 6 Hours

*Each AAS degree program includes six hours of general education elective courses from two of the following areas:

Communications

ENGL 101, ENGL 102, ENGL 110, ENGL 112, SPTH 101

Mathematics

MATH 101, MATH 107, MATH 108, MATH 112, MATH 114, MATH 116, MATH 117, MATH 120, MATH 122, MATH 125, MATH 127, MATH 130

Social and Behavioral Sciences

BADM 101, BADM 107, ECON 101, ECON 102, GEOG 101, HIST 108, HIST 109, POLS 103, PSY 101, PSY 102, PSY 104, SOC 100, SOC 102

Higher-Order Thinking

BADM 103, ENGL 102, SOC 120

Valuing

PHIL 101, PHIL 104, SOC 102, SOC 120

Managing Information

CAPP 125, CIS 103, ENGL 101, ENGL 102, HEOC 140

Life and Physical Sciences

AGRI 108, AGRI 118, AGRI 119, BIO 100, BIO 103, BIO 105, BIO 112, BIO 125, BIO 126, BIO 207, BIO 208, CHEM 101, CHEM 123, EASC 101, EASC 106, EASC 116, EASC 120, PHYS 103, PHYS 105, PHYS 118, PHYS 125

Humanities and Fine Arts

AGRI 106, ART 101, ART 120, FREN 101, LIT 101, LIT 107, LIT 109, LIT 112, LIT 114, MUS 101, MUS 103, MUS 104, PHIL 101, PHIL 102, PHIL 104, SOC 120, SPAN 101, SPAN 120, SPTH 107, SPTH 125

AAS Advanced Placement Radiography

Required Courses:

	Class Name	Cr Hrs
RADT 101	Intro to Med Term and Medical Imaging	3
RADT 103	Human Body Structures and Functions	4
RADT 105	Ethics and Patient Care I	3
RADT 111	Radiography Positioning I	3
RADT 113	Radiography Positioning II	3
RADT 121	Medical Imaging Externship I	3
RADT 123	Medical Imaging Externship II	3
RADT 131	Introduction to Radiation Protection and Bio	2
RADT 141	Radiation Physics I	3
RADT 151	Medical Imaging Equipment and Exposures I	3
APR 107	Ethics and Patient Care Review	3
APR 115	Radiography Positioning III	3
APR 117	Radiography Positioning IV	3
APR 133	Advanced Radiation Protection & Biology	3
APR 153	Imaging Equipment and Exposures II	3
APR 143	Radiation Physics II	3
APR 125	Medical Imaging Externship III	6
APR 161	Image Analysis and Positioning Review	3
APR 163	Medical Imaging Registry Review	4
	Total Credit Hours	61



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PROGRAM CHARACTERISTICS AND PERFORMANCE GOALS

Institution Name: State Fair Community College

Program Name: Advanced Placement Radiography

Date: May 2014

(Although all of the following guidelines may not be applicable to the proposed program, please carefully consider the elements in each area and respond as completely as possible in the format below. Quantification of performance goals should be included wherever possible.)

Student Preparation

- Any special admissions procedures or student qualifications required for this program which exceed regular university admissions, standards, e.g., ACT score, completion of core curriculum, portfolio, personal interview, etc. Please note if no special preparation will be required.

Applicants will be required to meet State Fair Community College Admission Procedures: Submit a SFCC application for admission form, Submit Official College Transcripts from all colleges attended, submit official transcripts documenting successful completion of a military or JRCERT accredited radiography program. For all college courses completed as dual credit, transcripts must be requested from each college awarding credit. Take a placement Test: ACT, ASSET, or COMPASS. All development courses must be taken and passed with a "C" or higher, based upon assessment test scores. An Advanced Placement Radiography application packet must be completed and submitted by all applicants. Advanced Placement into an educational program is intended to provide a pathway to ARRT certification eligibility for individuals who have previously completed an educational program not accredited by a mechanism recognized by the ARRT, or who have completed an accredited program but who are no longer eligible for certification due to unsuccessful examination attempts or expiration of their eligibility time period.

- Characteristics of a specific population to be served, if applicable.

Students must have successfully completed a radiography training program prior to admission to the Advanced Placement Radiography program.

Faculty Characteristics

- Any special requirements (degree status, training, etc.) for assignment of teaching for this degree/certificate.

Instructor must have a minimum of an Associate degree, a Bachelor's degree is preferred. Instructor must also be an American Registry of Radiologic Technologist (ARRT) registered radiographer.

- Estimated percentage of credit hours that will be assigned to full time faculty. Please use the term "full time faculty" (and not FTE) in your descriptions here.

Full time faculty will teach greater than 40% of the credit hours.

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- Expectations for professional activities, special student contact, teaching/learning innovation.

Advanced Placement Radiography specific courses will be offered through the online format. Students will be required to complete a clinical component. The number of students assigned to the clinical affiliate/clinical education center will be determined by a student/clinical staff ratio not greater than one-to-one. Students can exhibit clinical competence in a variety of care settings in which radiography procedures are performed on in-patients and out-patients.

Enrollment Projections

- Student FTE majoring in program by the end of five years.

Twenty full time students enrolled each year.

- Percent of full time and part time enrollment by the end of five years.

Part time enrollment will not be an option for this degree.

Student and Program Outcomes

- Number of graduates per annum at three and five years after implementation.

Twenty graduates each year.

- Special skills specific to the program.

Radiologic technologists are the medical personnel who perform diagnostic imaging examinations. They are educated in anatomy, patient positioning, examination techniques, equipment protocols, radiation safety, radiation protection and basic patient care. Registered radiologic technologists — known as "R.T.s" — must complete formal education in an accredited hospital-based program or a two- or four-year educational program at an academic institution and must pass a national certification examination. To remain registered, they must earn continuing education credits. Radiologic technologists who perform imaging examinations are responsible for accurately positioning patients and ensuring that a quality diagnostic image is produced. They work closely with radiologists, the physicians who interpret medical images to either diagnose or rule out disease or injury. For the images to be interpreted correctly by the radiologist, the imaging examination must be performed properly by a radiologic technologist.

- Proportion of students who will achieve licensing, certification, or registration.

75% will attempt and pass the ARRT Radiography registry on first attempt.

- Performance on national and/or local assessments, e.g., percent of students scoring above the 50th percentile on normed tests; percent of students achieving minimal cut-scores on criterion-referenced tests. Include expected results on assessments of general education and on exit assessments in a particular discipline as well as the name of any nationally recognized assessments used.

A 75% overall pass rate to earn a credential of registered radiographer (ARRT R.T. (R)) within one year of graduation through ARRT.

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- Placement rates in related fields, in other fields, unemployed.

At least 75% of graduates will be employed as radiographers, continuing their education, or in the military within twelve months of graduation.

- Transfer rates, continuous study.

Please see above.

Program Accreditation

- Institutional plans for accreditation, if applicable, including accrediting agency and timeline. If there are no plans to seek specialized accreditation, please provide reasons.

At this time, there is no plan to seek specialized accreditation for the Advanced Placement Radiography training. For admittance into this training the students must have successfully completed a military or other radiography training program. This training will make the student re-eligible to sit for the ARRT Radiography registry.

Alumni and Employer Survey

- Expected satisfaction rates for alumni, including timing and method of surveys.

Within one year of graduation Graduate Surveys will have a composite score of three or greater on a five point rating scale.

- Expected satisfaction rates for employers, including timing and method of surveys.

Within one year of graduation Employer Surveys will demonstrate a composite score of three or greater on a five point rating scale.

State Fair Community College is well equipped to support this program because we have a strong online learning environment dedicated to ensuring high quality course development and instruction with a student-centered focus. Also, the current Radiology program director completed her Radiologic Technology training in the military which provides an improved understanding of the main target market of this program.