

Program Viability Executive Summary

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Radiologic Technology Program  
November 4, 2012

Program: **Allied Health / Radiologic Technology**

<b>Viability Criteria</b>	<b>Program's Response</b>	
<p><b>Employment outlook</b> for Kern County and State that demonstrates community needs (<i>labor market, EMSI, and/or advisory committee</i>)</p>	<p>Employment outlook data: Community Need (# employed, industry revenue, etc.)</p> <p>The rate of radiologic technology job growth in Kern County is expected to be 34.3%, or 120 jobs, from 2008-2018 (<a href="http://www.labormarketinfo.edd.ca.gov">http://www.labormarketinfo.edd.ca.gov</a>). The Radiologic Technology program is high wage, high growth occupation. EMSI data indicates the mean wage is \$27.94/hr for 2011.</p> <p>With Bakersfield College offering the only Radiologic Technology Program in the KCCD service area, the Program is needed to meet local healthcare employment needs.</p>	
<p><b>Employment statistics</b> for BC students (<i>employment rate from latest VTEA core indicator report and/or program-generated data</i>)</p>	<p>The Radiologic Technology Program has excellent employment rates. 100% of the May 2011 graduates seeking employment obtained employment within 6 months following graduation (program benchmark). To date, 94% of the May 2012 graduates seeking employment gained employment within the past 5 months. From 2007-2011, 99% of graduates gained employment within 6 months of program completion.</p>	
<p><b>CTE licensure exam pass rates</b> of graduates or completers (<i>generated by program for those who have licensure processes</i>)</p>	<p>Graduates of the Radiologic Technology Program have maintained a 100% pass rate on the American Registry of Radiologic Technologists (ARRT) exam in 2009, 2010, 2011 and 2012. In comparison, the nationwide pass rate for the same timeframe is 91.4 - 92.7%.</p>	
<p><b>Success rate</b> of program (<i>KCCD Course Book data, compared to similar programs in the state from CCCCO Data Mart</i>)</p> <p>TOPS Code 122500</p>	<p>BC:</p> <p>Trend data demonstrates a success rate range of 94.5%-98.2% from 2007-2008 through 2011-2012.</p> <p>College-wide data is 67.6% F-t-F for 2011-2012.</p>	<p>Statewide:</p> <p>Summer 2011-Spring 2012</p> <p>93.39% mean for Degree Applicable coursework</p>

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<p><b>Retention rate</b> of program (<i>KCCD Course Book data, compared to similar programs in the state from CCCCCO Data Mart</i>)</p> <p>TOPS Code 122500</p>	<p>BC: Trend data demonstrates a program retention rate of 96.9%-100% from 2007-2008 through 2011-2012. College-wide trend data range for 2011-2012 is 84.3% for F-tF).</p>	<p>Statewide: Summer 2011-Spring 2012 96.25% mean for Degree Applicable coursework</p>			
<p><b>Completion rate</b> of program (<i>KCCD Course Book data, compared to similar programs in the state from CCCCCO Data Mart</i>)</p>	<p>BC: This data is not available. Include success &amp; retention as per email.</p>	<p>Statewide: This data is not available. Include success &amp; retention as per email.</p>			
<p><b>CTE program completion rate</b> (<i>completion rate from latest VTEA core indicator report and/or program generated data</i>)</p>	<p>Spring 2011 VTEA Core Indicators Core 2- Completion Rate = 100%</p>				
<p><b>Trend enrollment</b> for five years (<i>Yearly FTEF of program for these five years from KCCD Course Book data</i>)</p> <p>Students/Section- IRP KCCD Course Book</p>	<p>2007-08 15</p>	<p>2008-09 16</p>	<p>2009-10 21</p>	<p>2010-11 18</p>	<p>2011-12 20</p>
<p><b>Cost per FTES</b> (using correct data)</p> <p>Used most recent IRP data (no other data available)</p>	<p>Cost/FTES in 2011-2012 = \$3,503 The cost/FTES is below the State apportionment level.</p>				
<p><b>Productivity</b> (FTES per FTEF)</p>	<p>14.5 FTES/FTEF in 2011-2012</p>				
<p><b>Number of student contacts</b> (for student services programs)</p>	<p>n/a</p>				
<p><b>Transfer-ready</b> rates of students</p> <p>Program meets one of the three <b>missions</b>: basic skills, CTE, transfer</p>	<p>n/a Mission: CTE</p>				
<p><b>Provides necessary student services</b></p>	<p>n/a</p>				
<p>Ability to meet <b>outside agency standards</b>, such as accrediting, licensing, and governing boards.</p>	<p>The Radiologic Technology Program is accredited by the State Department of Public Health, Radiologic Health Branch, and the Joint Review Committee on Education in Radiologic Technology. The last on-site accreditation visit in 2008 provided the program with the highest and longest accreditation award at 8 years. There were no restrictions on the award. The program completed the interim report in fall 2012. The next on-site visit will be in 2012 by the JRCERT.</p>				

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<p><b>Ability for students to complete their program of study</b> (explanation/rationale) or the need students have who are in the program (numeric data)</p>	<p>Radiologic Technology Program completers earn the Associate in Science degree which is the recognized completion level through programmatic accreditation. Current students require sequential course work to advance with only single section courses offered each term. The 2012-2014 cohort which started in June 2012 will complete in May 2014. The 2011-2013 cohort will complete in May 2013. An annual admission occurs each June.</p> <p>The Radiologic Technology Program is part of the C6-TAACCT federal grant. As a participant in the grant, the college is required to offer the programs of study as listed in the grant work plan.</p>
<p><b>Transfer Model Curriculum</b> (either completed or in process)</p>	<p>Identify TMC major and the status of the TMC approval: n/a</p>
<p><b>Additional revenue-generating data</b> that the program wishes to be considered as evidence of viability</p>	<p>The program works with an outside equipment vendor which helps keep the x-ray equipment in working condition. This helps offset college resources and helps provide program sustainability in times of limited budget resources. Equipment repair costs have been greatly minimized due to outside vendor support. This support varies widely year-to-year but generally ranges from \$2,500-\$7500 with in-kind services.</p>
<p><b>Additional comments relating to the effect on other programs and services on campus should this program be altered from its current condition (the “domino effect”).</b></p>	<p>The Radiologic Technology Program is an AS degree program which relies on students earning their general education as well as prerequisites courses in anatomy/physiology (BIOL B18); English B1a; MATH BD; and medical terminology (MEDS B60). There are over 300 declared majors in Radiologic Technology.</p>

Additional data, information, and rationale that demonstrates program viability:

The Radiologic Technology program meets the critical community need in Kern County for workforce training of entry-level licensed radiologic technologists and provides the education and training in fluoroscopy and venipuncture that lead to the attainment of two additional Job Skill Certificates. The program at BC is the only x-ray program with the Kern Community College District and the only program offering this education located between the Los Angeles basin and Fresno, CA. The Radiologic Technology Program had 18 AS degrees (9.8% of all Allied Health degrees) in 2012 and 37 job skill certificates (14.5% of all Allied Health job skills certificates).

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KCCD is part of a TAACCCT Department of Labor through the Central California Community Colleges for Change Consortium (C6). The Radiologic Technology Program is part of the grant through at least 2014 and is working closely with Fresno City College's radiology program to streamline curriculum between the programs, embed basic skills remediation, and support new teaching methodologies, technology, and student support services. In addition, a computed tomography course is being jointly developed to provide this education in our community as well as in Fresno, CA to serve this expanding imaging field. The program's advisory committee and employer surveys have indicated a need for this type education. In addition, as part of a streamlined and revised curriculum, the program has eliminated a 1-unit course in angiography while integrating the topic into another program course and also eliminated 3 hours of instructor in load in image analysis (one lecture hour each spring, summer and fall semesters) through varying teaching methodologies. This reduced the cost of overload and/or adjunct by 4 instructor hours/year.