**Instructional Unit – Program Review**

**2017-2018**

**Part 1: - Program Overview**

**Program Name: Radiologic Technology: Major code C185**

**Program Mission and Description:**

The mission of the Radiologic Technology Program at Jefferson State Community College is to prepare graduates for entry-level employment as a radiologic technologist in the healthcare community.

This program mission is consistent with the colleges Statement of Philosophy and Purpose.

There are 2 exceptional milestones that the Radiologic Technology Program has achieved over the past three years. First of all a 100% job placement rate for its graduates. Secondly an 85% national certification exam first time pass rate and a 100% overall pass rate for the certification exam within six months of graduation.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology. The most current award was for an 8 year term with an interim report being completed mid-way through the cycle.

**Program Admission and Awards:**

The Radiologic technology program is a limited admission program with an enrollment cap based upon clinical placement capacity. Currently the enrollment cap is 35 annually with the admission in the Summer term for students to begin in the Fall.

Upon completion of the radiologic technology program students are eligible to sit for the national certification exam given by the American Registry of Radiologic Technologist. Once certified in radiologic technology, students have options to become certified in other imaging modalities provided they obtain the appropriate education and training.

**Program Demographics:** Please complete the following chart for your area (this data can be found on the IE website or by contacting ie@jeffstateonline.com

|  |  |  |
| --- | --- | --- |
| **Category** | **Student Totals (3yrs)** | **Percentage (of total students)** |
| Total Students | 29, 34, 27 90 |  |
| Number of Male | 4, 4, 2 10 | 11 |
| Number of Female | 25, 30, 25 80 | 88 |
| Age 18-25 | 25, 30, 20 75 | 83 |
| Age 26-40 | 4, 3, 6 13 | 14 |
| Age 41+ | 0, 1, 1 2 | 2 |
| African American Students | 3, 0, 1 4 | 4 |
| Asian Students | 0, 0, 1 1 | 1 |
| Caucasian Students | 24, 30, 24 78 | 86 |
| Hispanic Students | 2, 1, 1 4 | 4 |

**Mode of Delivery:**

Due to the dedicated equipment for instruction the Radiologic Technology Program is offered at the Shelby campus of Jefferson State. The program does not anticipate expanding its offerings at other campus locations due to the limited enrollment and equipment necessary for instruction. The coursework is offered in different ways depending on the nature of the course. Most of the courses are face-to-face with an on-campus lab requirement. The clinical courses are hybrid courses with some information delivered via the internet and in clinical experience. The remainder are either hybrid courses or internet courses.

**Program/Department Goals:**

**1. Students will demonstrate didactic and clinical competence.**

 Student Learning Outcomes: \*Students will apply positioning skills.

 \*Student will select appropriate technical factors.

 \*Students will practice radiation protection.

**2. Students will effectively communicate.**

 Student Learning Outcomes: \*Students will use effective oral communication skills.

 \*Students will practice written communication skills.

**3. Students will utilize critical thinking skills.**

Student Learning Outcomes: \*Students will manipulate technical factors for non-routine examinations.

 \*Students will adapt positioning for trauma patients.

**4. Students will evaluate the importance of professionalism.**

 Student Learning Outcomes: \*Students will develop a professional resume.

\*Students will exhibit professional behaviors such as punctuality in the clinical setting.

**5. Provide qualified radiographers to meet the health care needs of the community.**

Student Learning Outcomes: \*Students will pass the ARRT national certification on the first attempt.

\*Students will complete the program according to program guidelines.

\*Students will be satisfied with their education.

\*Employers will be satisfied with the graduate’s performance.

\*Of those pursuing employment, students will be gainfully employed within twelve months post-graduation.

**Program/Department Outcomes Achievement:**

The radiologic technology program has a detailed Outcomes Assessment plan which details the goals and outcomes of these set goals. It is completed annually. The JRCERT requires the program to publish to the public some of this data which is its Program Effectiveness Data highlighted below.

**Jefferson State Community College**

**Radiologic Technology**

**Program Effectiveness Data**

\*\*Note—Graduates have up to three years to take the certification exam. Cohort scores are based off of students who have taken the certification exam.

**Five-year average credentialing examination (American Registry of Radiologic Technologists Radiography exam) pass rate of not less than 75 percent at first attempt.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|

|  |  |  |
| --- | --- | --- |
| **Year**  |  |  |

 | **Percent passing on 1st attempt** | **Number of students** |
| **2014** | 100% | 22 out of 22 students passed on 1st attempt |
| **2015** | 92% | 23 out of 24 students passed on 1st attempt1 pass and 1 fail from previous years |
| **2016** | 100% | 19 out of 19 students passed on 1st attempt |
| **2017** | 95% | 18 out of 19 students passed on 1st attempt |
| **2018** | 88% | 15 out of 17 students passed on 1st attempt2 failures on 1st attempt, passed 2nd attempt |
| **5 year average** | **95%** |  |

\*\* Note- Graduate follow up surveys are typically sent to graduates 6 months after graduation.

Job placement rate definition changed in 2014 to reflect employment within 12 months of graduation.

**Five-year average job placement rate of not less than 75 percent within twelve months of graduation.**

|  |  |  |
| --- | --- | --- |
| **Year** | **Percent Job Placement** | **Number of Students** |
| **2014** | 100% | 22 graduates22 actively seeking employment22 employed in the field |
| **2015** | 100% | 24 graduates24 actively seeking employment 24 Employed in the filed |
| **2016** | 100 % | 19 graduates19 actively seeking employment19 employed in the field *(within 2 months of graduation)* |
| **2017** | 100% | 19 graduates19 actively seeking employment employed in the field |
| **2018** | 100% | 17 graduates16 actively seeking employment16 employed in the field (within 1 month of graduation) |
| **5 year average** | **100%** |  |

**Program completion rate**

The Joint Review Committee on Education in Radiologic Technology defines annual program completion rate by a calculation. It is the number of students who complete the program with a cohort divided by the number who enrolled in the cohort initially and subsequently. The number of students who began the program may not reflect the number of students who were initially admitted.

|  |  |  |
| --- | --- | --- |
| **Year** | **Percent Completion** | **Number of Students** |
| **2014** | **67** | 33 began program22 graduates |
| **2015** | **75** | 32 began program24 graduates |
| **2016** | **63** | 30 Began program19 graduates |
| **2017** | **70** | 27 began program19 graduates |
| **2018** | **63** | 27 began program17 graduates |
| **5 year average** | **68** |  |

For more information regarding program effectiveness data visit the JRCERT website at [www.jrcert.org](http://www.jrcert.org)

**Part 2: Program/Department Change**

**Program/Department Goal Changes:**

The only revision in the mission statement and goals during this assessment period was in February 2017, Goal #5. The JRCERT recommended that those seeking employment will be gainfully employed within twelve months instead of the previous wording of six months. Although the program complied with this suggested change, the graduates to date are all gainfully employed within the six month time frame. The Advisory meeting minutes for the February 2017 stated these changes.

**Course Student Learning Outcome Changes:**

The most current item of assessment which consistently falls below the established benchmark is program completion. There have been many items that have been put into place to address this issue. Faculty have compared the completion rates with other community colleges in our state and have similar results. The program faculty and staff are consistently seeking items that will assist with this deficit.

The Program Faculty also participate in meetings with the Alabama Community College System to review any changes that need to be made in curriculum or admission standards. To date there are no revisions that need to be made.

**Part 3: Evidence of Staff Participation in Program Review**

**Faculty/staff participation:**

The radiologic technology program faculty participates in the RAD Outcomes Assessment Plan as well as the Strategic Plan Report for the college. Specific data is collected by each program faculty member and reported to the Program Coordinator which incorporates the data into each of these reports annually. Program faculty meet at least once per semester and minutes of the meeting are kept by the Program Coordinator. Currently there are three program faculty positions: Program Coordinator, Clinical Coordinator and Lab Instructor.

**Advisory committee minutes (if applicable) and list of members**:

The Radiologic technology advisory committee members are listed below:

The most recent outcome from the advisory committee is the purchase of a new hydraulic stretcher to teach students the appropriate techniques to do bedside portable radiography. The committee saw a need for additional teaching strategies for portable radiography and the program was able to address those needs with the purchase. The committee is dedicated to the program’s integrity and is always willing to assist the students, faculty and staff in any means that they may provide.

Christy Robertson, Clinical Instructor, Children’s Hospital

Lynn Hammer, Divisional Director, Children’s Hospital

Keith Corson, Chief Technologist of Radiology, St. Vincent’s East

Lee Morris, Director of Radiology, UAB Medical West

Daniel Evans, Clinical Instructor, BMC Shelby

Ramie Anderson, Service Line Administrator, Grandview

Tim Puckett, Director of Imaging, Grandview

Brady Howell, Clinical Instructo , Grandview

Amy Burch, Clinical Instructor, Grandview

Anita Cornelius, Clinical Instructor, St. Vincent’s East

Gina Graham, Clinical Instructor, Baptist Princeton

Terri Laymons, Assistant Director of Radiology, Baptist Princeton

Jackie Harris, Supervisor Radiology, UAB Medical West

Brandi Shobe, Clinical Instructor, St. Vincent’s Hospital Birmingham

Shalanda Reeves, Supervisor of Medical Imaging, St. Vincent’s Hospital Birmingham

Reed Adair, Director of Clinical Services, St. Vincent’s Birmingham

Diane Barineau, Director of Radiology, BMC Shelby

Authur Baldridge, Director of Radiology, St. Vincent’s St. Clair

Kim Moss, Clinical Instructor, St. Vincent’s St. Clair

Jeff McGough, Director or Radiology, Kirklin Clinic

Amy Godwin, Clinical Instructor, Kirklin Clinic

Eric Williams, Manager, Radiology, UAB Hospital

Tiffany Bolton and Chelsee Mosley, Clinical Instructor, UAB Hospital

Anna Hamilton, Clinical Instructor, UAB Highlands

Brad Wideman,Director of Imaging Services, Brookwood Baptist

Brandi Martin, Supervisor, Brookwood Baptist

Ellen Ramsey, Clinical Instructor, Brookwood Baptist

Alicia Ingram,Supervisor, Radiology

Shannon Hamilton, Director of Clinical Services, St. Vincent’s Chilton

Betty Wilson, UAB Retired

Christie Bolton, Program Coordinator, JSCC

Annette Ferguson, Clinical Coordinator, JSCC

Erin Smith, Lab Instructor, JSCC

Norma Bell, Dean, JSCC

Keith Brown, President, JSCC

Danielle Colburn, Dean, JSCC