

# Instructional Program Review Nuclear Medicine Technology

**NOTE: PILOT FORM WAS EDITED FOR 2014-2015 REVIEW YEAR**

**(I.E. DIFFERENT QUESTIONS ARE ASKED – DO NOT COPY/PASTE THESE QUESTIONS FOR 2014-2015 REVIEW)**

This document addresses the following SACSCOC requirements: CR 2.5, CS 3.3.1, CS 3.5, and FR 4.1

## Purpose

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Amarillo College instructional programs consistently review data and strive for improvement.

The purpose of this review is to demonstrate how AC non-instructional areas support AC's mission by "*...enriching the lives of our students and our community.*"

On an annual basis the Program Review process will capture a holistic view of a program's strengths, weaknesses, and improvement plans based on institutional data and assessment information.

The information collected on this form will also serve to help your division complete the information required by SACSCOC for Amarillo College's continued reaffirmation efforts.

**Response Length Suggestion: Most responses should be 2-3 sentences.**

**If available, you may also provide a link/reference to other documentation that answers each question.**

## I: Identification

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### 1. Program Title:

Nuclear Medicine Technology

### 2. Program Purpose Statement:

Purpose/Mission Statement:

The Amarillo College Nuclear Medicine Technology Program is committed to providing medical employers with entry-level nuclear medicine professionals through a comprehensive program that enables proof of competency via didactic and clinical curriculum, which complies with all requirements of the standards and guidelines of the Joint Review Committee on Educational Programs in Nuclear Medicine Technology accrediting organization and the Texas Higher Education Coordinating Board, therefore, enhancing the quality of patient care.

Goal Statements

Guide students to pass a nationally recognized professional certification or registry through the NMTCB or the ARRT.

Guide students to pass national certification/registry exams on the first try.

### 3. Program Review Year (i.e. Most Recent Academic Year)

2013-2014

### 4. Date of Submission:

08-29-2014

**5. Lead Person Responsible for this Program Review:**

Name: Tamra Rocsko  
 Title: Program Director  
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**6. Additional Individuals (Name and Title) Responsible for Completing this Program Review:**

Mark Rowh, Dean of Health Sciences

**II: Program Enrollment and Success Data**

AC academic programs evaluate data related to students served. For baseline data that will enable you to determine the status of your program, you can compare the most recent data to previous year data, compare your program to any existing state standards, or consider any other relevant factors.

- Based on the most recent reported data, please evaluate your program.  
 Complete Parts A and B for your certificate programs and terminal degree programs.  
 Complete Part B for non-terminal degree programs.

**A .Overall Program Data (Evaluation by Major Code)**

(Place an 'X' in each text box that corresponds to your evaluation.)

Student Data Reported/Collected	Needs Improvement	Meets Standards	Exceeds Standards	Not Applicable
a. Employment Rates/Wages <a href="#">Link 1</a> , <a href="#">Link 2</a> , <a href="#">Link 3</a> , <a href="#">Link 4</a> , <a href="https://www.actx.edu/nuclear_med/application">https://www.actx.edu/nuclear_med/application</a>		X		
b. <a href="#">Completion</a> <a href="https://www.actx.edu/nuclear_med/index.php?module=article&amp;id=16">https://www.actx.edu/nuclear_med/index.php?module=article&amp;id=16</a>		X		
c. <a href="#">Licensure Pass Rates</a> <a href="https://www.actx.edu/nuclear_med/index.php?module=article&amp;id=24">https://www.actx.edu/nuclear_med/index.php?module=article&amp;id=24</a>		X		
d. <a href="#">Retention</a> <a href="https://www.actx.edu/nuclear_med/index.php?module=article&amp;id=16">https://www.actx.edu/nuclear_med/index.php?module=article&amp;id=16</a>		X		
e. <a href="#">Transfer Data</a>		X		
f. <a href="#">Grades A-C</a>		X		
g. <a href="#">Annual Enrollment</a>			X	
h. <a href="#">Survey, Focus Group, &amp; Other Qualitative Data</a>				X

**B. Course-Specific Data (Evaluation by Course)**

(Place an 'X' in each text box that corresponds to your evaluation.)

Student Data Reported/Collected	Needs Improvement	Meets Standards	Exceeds Standards
a. Course-level Success (Grades A-C; Persistence) (IDS data and/or grade distribution report)		X	
b. Course-level Enrollment (IDS data and/or grade distribution report)		X	
c. <a href="#">Survey, Focus Group, &amp; Other Qualitative Data</a>			X

2. (If applicable) If any area "Needs Improvement," please explain why (i.e. Analysis).

1. Recruiting clinical sites from outlying centers, as well as in town.
2. Calling potential students in the Spring.

3. (If applicable) Based on the above data, what change/s do you recommend (i.e. Action Plan)?

Encourage students to seek employment outside of Amarillo.

4. (If applicable) Additional comments related to data above or other data collected by your division.

Graduation and pass rates for the NMTCB exam are within the guidelines set by the JRCNMT of 80% over five years.

### III: Institutional Initiatives

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#### PART A – No Excuses:

Each program is expected to support student success initiatives.

List 1 or more ways your program most focuses on any of the [No Excuses goals/initiatives](#) and how you have helped AC fulfill its No Excuses goal.

- Referring students to Jordan Herrera, and the AC pantry.
- Including links for resources in syllabi.
- Course Redesign

#### PART B – Program Outcomes:

SACSCOC requires each program to provide quality student, customer, and/or client services.

**Note:** If your program includes core curriculum courses, you may either skip this section and proceed to Part D or you may include references to non-core curriculum outcomes, results, etc. below.

1. For this review year, what is/were your program's most important goal/s (i.e. broad things you would like to accomplish)?

Increase first time pass rates.

2. For this review year, what is/were your program's most important measurable outcome/s that helped you achieve your goals (referenced above)? Provide examples of 1-3 outcome statements.

(An outcome provides observable evidence that your student's or client's knowledge, skill, ability, attitude, or behavior has changed as a result of your efforts.)

After the Nuclear Medicine program increases the rigor in classes, student first-time pass rates will increase 10%.

3. Identify your results and analyze your data.

We met our intended benchmark. Our first-time pass rates went from 70% to 93%. We believe this is due to the following:

1. Increased rigor in all classes allowing students to fail only one exam per semester.
2. Added over 1000 new question to the Capstone course.
3. Included Case study presentations in second year.

4. What key change/s have your department made in the past year or do you plan to make based on your assessment of any outcome?

1. Team up with other PD's in Texas to compile a large pool of test questions for the Capstone course.

**PART C – Strategic Planning:**

Each program is expected to support [AC's Strategic Planning](#) initiatives.

1. Identify at least one strategy or task from the Strategic Plan your area currently addresses/evaluates.

First time pass rates.

2. (If applicable) What additional item/s should AC's Strategic Plan address?

**PART D – General Education Objectives (Courses NOT in the Core Curriculum)**

SACSCOC requires that the College prove attainment of general education competencies by all students. AC has adopted the below objectives for our core curriculum assessment, but you may add additional objectives you teach. Additionally, AC expects that learning objectives are present and evaluated in all courses.

1. Provide a listing of which courses in your program teach these general education objectives (List individual course prefix, state "all courses", or state "N/A" for each Objective):

Objective	Course/s
Communication Skills	Intro to Nuclear Medicine, Radiopharmacy, Methodology III
Critical Thinking Skills	Intro to Nuclear Medicine, Radiopharmacy, PET/CT, Methodology II and III, Instrumentation, Physics, Seminar
Empirical & Quantitative Skills	Radiopharmacy, Methodology III,
Teamwork	Intro to Nuclear Medicine, Radiopharmacy, PET/CT, Methodology II and III
Personal Responsibility	Intro to Nuclear Medicine, Radiopharmacy, PET/CT, Methodology II and III, Instrumentation, Physics, Seminar
Social Responsibility	Intro to Nuclear Medicine
Note: May Insert other Objective/s	

2. Briefly explain how your program has recently (i.e. past year) identified and ensured that these general education objectives are taught throughout each course section.

Students participate in research assignments, group presentations, case study presentations, scenario hands on driven assignments, discussion boards, and exam questions (which are scenario driven).

3. Briefly explain how faculty in your program identify the extent to which students obtain key objectives.

1. Student complete chapter objectives.
2. Each course objective is tied to an assignment or classroom discussion.
3. Assignments (discussion board, research paper, case study presentation, group presentations, and scenario hands on driven assignments) are graded utilizing a rubric to keep grading objective.

4. Briefly address any improvements made in your program based on your data findings.

Capstone course redesigned

**IV: Conclusions**

1. How have you or your staff adjusted your pedagogy (method and practice of teaching) to improve your academic quality and/or aid in some other area related to student success?

1. Have tried to incorporate some flipped classes.
2. Ask more questions in class versus giving students the information.
3. Revising the clinical evaluation forms to be more objective.
4. Added (over 1000) new questions to the Capstone course.

2. What program improvement opportunities are available to your staff (e.g. external curriculum committees, trainings, etc.)?

ACTS and AVID.

3. What is the biggest issue/obstacle that your program currently faces?

Please explain the issue, point to evidence supporting why your issue is important (addressed in this document or elsewhere) , explain how you would like to fix the issue, and explain any budgetary constraints.

Increase the programs capacity. The PD has started a list of students to call in the spring. FM90 and the Ranger have agreed to run articles. PD started a Facebook page and will pay to promote in the Spring of 2015 (cost \$100). The PD will also reach out to outlying clinical facilities as well as a few in town to recruit them to take students.

4. Additional Comments Pertinent to this Review (Not Required):