



Health Sciences Division
(661) 722-6300, Ext. 6402 • Fax (661) 722-6403

October 25, 12

Dear Advisory Board Member,

On behalf of the Radiologic Technology program, we would like to invite you and your staff to attend the Radiologic Technology Advisory Committee meeting scheduled for Thursday October 25, 2012 at 430pm on the college campus in the Applied Arts building (APL), Room 119.

I would appreciate it if you could call Karen Smith at 722-6300, extension 6402, to notify her of the number of your staff who will be attending.

Parking permits will be required and will be available either in advance or at the meeting for you convenience. A map of the campus is attached. The classroom and laboratory is located in APL Room 119 directly facing 30th street (entrance to the classroom is outside the building) next to the stairs.

The agenda for the meeting is enclosed. The RT classroom and laboratory facilities will be available for tours to interested members. Light snacks will be served.

I look forward to your participation on October 25, 2012 at 430pm.

Sincerely,

Maria Kelly, M.S., R.T.(R)(CT)
Program Director
Radiologic Technology

Encl.

October 25, 2012 Agenda
March 29, 2012 Minutes
Campus Map



ANTELOPE VALLEY COLLEGE
Health Sciences Division
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RADIOLOGIC TECHNOLOGY
ADVISORY COMMITTEE MEETING

AGENDA

October 25, 2012

430 PM

APL119, Antelope Valley College, Lancaster, CA

Old Business:

- Equipment and educational materials needs
- JRCERT Accreditation Status
- Program Assessment Plan/ Mission and Goals
 - Program Learning Outcomes- Results for Class of 2012

New Business:

- Class of 2014 Status
- Associated Student Organization / Student Radiographers Organization (SRO)
 - Class of 2014 pinning ceremony

RADIOLOGIC TECHNOLOGY
ADVISORY COMMITTEE MEETING

October 25, 2012

430 PM

APL119, Antelope Valley College, Lancaster, CA

Attendees:

Cindy Austin, Department Educator and Quality Control Supervisor, Antelope Valley Hospital

Ashley Cagalawan, Supervisor, Antelope Valley Hospital

Jeff Crawford, Director of Radiology, Palmdale Regional Medical Center

Maria Kelly, Program Director, Antelope Valley College

Deborah Patterson, Radiology Supervisor, Kaiser Permanente

Debbie Suko, Radiology Lead Technologist, Palmdale Regional Medical Center

Susan Vradenburg, Radiologic Technologist, Antelope Valley Hospital

Minutes:

Opening Comments: Maria welcomed participants. The contents of the meeting packet and minutes from the March 29, 2012 were reviewed.

Old Business:

Equipment and Educational Materials Needs

Accessory and Laboratory Equipment

Maria informed the group that Perkins IV funding for \$52,000 was obtained for this year. Maria explained that this funding is from a federal source and may be used for technology and equipment that directly impacts students' preparation for the workforce. The funding may only be used on equipment, not infrastructure, such as, network or Internet connections. The project proposed would add a second Computed Radiography (CR) reader, large screen monitor and several workstations, that may be hard connected to replicate a Picture Archiving and Communications System (PACS). Once completed, students will be able to simulate networking errors and fixes similar to a live PACS environment. Maria is currently in the process of obtained quotes and reported that the project should be completed by next summer at the latest.

Educational Needs

Geriatrics: A recommendation was made to include education on imaging and patient care of geriatrics, due to the aging of the population in general. Maria informed the group that the needs of special populations including geriatrics and pediatrics are included throughout the positioning courses. The program required textbooks covers patient care of special populations, however, the current edition of the positioning textbook (Bontrager 7th Ed) does not cover geriatrics specifically as a separate chapter. Currently, Maria, the instructor of the positioning courses, provides supplemental materials from Merrill's Atlas on geriatric patient care and imaging, so students do not have to purchase yet another textbook. The next edition of the Bontrager text (8th) should have additional materials on geriatrics that reflect the changes in the American Society of Radiologic Technologists curriculum (2012) that include increased coverage of geriatric imaging. However, this edition will not be required for this cohort, since

they have already purchased the older edition. Maria will continue to provide supplemental materials for this subject.

Surgery, C-Arm: Last meeting a suggestion was made to provide didactic instruction on the specific surgical procedures (and surgeons protocols) to assist students' level of comfort in surgical cases. Surgery as a modality will be covered next semester and Maria asked to meet with the technologists at the clinical affiliates to get a list of the type of procedures performed most often at each facility in order to prepare the lectures. Some discussion ensued about students feeling a lack of confidence in the Operating Room due to (some) surgeons not allowing students to observe or participate. Maria asked if it would be appropriate that the technologist introduce the student to the surgeon, before the start of the case so the surgeon is aware and maybe more inclined to have a student present in their case. The group agreed that this would be a good idea and will ask the technologist to assist. Cindy also suggested that at Antelope Valley Hospital the surgery schedule is busy enough to have more than one technologist assigned in the operation room, and therefore more than one student may rotate there as well. The extra time may assist students in developing more confidence with the equipment and environment. Maria will look into increasing the surgery rotations for next semester after didactic coverage for facilities that have a busy operating room schedule.

Joint Review Committee on Education in Radiologic Technology (JRCERT) Accreditation Status

Maria reported that the program is currently in a reaccreditation cycle with the JRCERT. The self-study was due October 1, but was submitted early in mid September. The program is currently waiting for JRCERT to respond to the self-study. It is anticipated that the JRCERT will send site visitors sometime in March or April of next year to verify the self-study and provide a report of findings that will list recommendations for program improvement. Maria reminded the group of the role of the clinical affiliates during the site visit, including allowing the site visitors access to each department and staff for the purpose of interviews and verification. Maria also stated that there is usually a lunch scheduled with the site visitors, department heads, clinical instructors and faculty. A question was asked if the site visitors would show up at the clinical affiliates unannounced. Maria responded that this would be highly unusual and that the site visitors would plan the visit in advance, unless there was an allegation of non-compliance with the accreditation standards. The program staff and faculty strive to follow the standards and resolve any issues with students or other interested parties at the lowest level possible. To date there have been no issues or reports of non-compliance and none are expected.

Program Assessment Plan/ Mission and Goals

Maria reported the program effectiveness data for the class of 2012 as follows:

- 100% passed American Registry of Radiologic Technologists (ARRT) examination
- 100% passed Fluoroscopy examination
- 6 graduates have reported employment- 2 graduates have had no contact so far.

Employers include:

- Antelope Valley Hospital
- Antelope Valley Outpatient Imaging Center
- Doctors Hospital (Manteca, CA)
- Palmdale Regional Medical Center
- A hospital in San Jose, CA

Maria also reported that at the end of November, graduate and employer surveys will be sent out. These surveys will be used to assist the program in measuring program effectiveness (how effective we

are in achieving our mission and goals). Maria reviewed the two surveys with the group and asked if the questions on the surveys are still appropriate for measuring program effectiveness? The group agreed that the questions on each survey are appropriate. However, on the graduate survey, it was recommended that the question, "The classroom courses offered in the program were interesting", be changed to "The classroom materials were presented in a way that I could understand." Maria will make the suggested changes.

New Business:

Class of 2014 Status- ten students are currently progressing towards graduation. Maria noted that the students are currently in their first clinical rotation. Although there are no indications yet, it is often at this point that some students question their choice of career and drop from the program. Therefore it is anticipated that some attrition will occur between this and next semester.

Associated Student Organization /Class of 2014 pinning ceremony

The students are in the process of forming a fundraising club for the pinning ceremony, scheduled for May of 2014. The name of the club is the Student Radiographers Organization (SRO). Fundraising efforts will start shortly and the students plan to organize one fundraising activity per semester. Past activities have included candy and donut drives and sweatshirt sales. The students have been reminded that they cannot hold fundraising activities at the clinical sites unless they have prior written approval from the site. Any cash donations may be made out to Antelope Valley College with Student Radiographers Organization in the memo line and given to a club officer.

Other Business:

Mammography Program

Deborah Patterson stated that there is a need for registered mammographers in the area and asked if the college would consider adding a Mammography program. Deborah explained that the need for mammographers is due to aging staff nearing retirement and lack of local (statewide) programs to train new staff to replace them. Maria will look into the feasibility of adding such a program at the college and noted that if such a program were to be proposed the college would need a commitment from area employers to provide the clinical education hours required by the State and the American Registry of Radiologist Technologists. Deborah will investigate if Kaiser could host Mammography students for clinical practice hours. Maria also noted that development of any new programs at the college is subject to State budget concerns.

Non- local Students

A question arose about the number of students who enroll in the program from outside the Antelope Valley. Maria responded that each cohort has had about 2-4 students enrolled whose address at the time of enrollment was outside the Antelope Valley. It is assumed that this trend has occurred for two reasons: 1.) Most Radiologic Technology programs in the State are impacted and have 2-3 year waiting lists. Some students who have chosen this career path and cannot get into a program closer to home, will choose to apply to many programs and move to the one that accepts them first; 2.) This program does not carry over a wait list, but accepts students on a first come first serve basis every other year.

Maria stated that this trend is not a concern. Due to the economic downturn, many local area employers do not have as many open positions as before, and therefore graduates who wish to move out of Antelope Valley are just as likely to find employment. In addition, the local market will not be flooded

AVC Radiologic Technology Advisory Board Meeting Minutes

with graduates, while meeting the need of employers for radiographers in areas of the State where fewer programs and radiographers exist.

Next Cohort

Maria responded to inquiries about how to receive information for the next enrollment. The next enrollment period is scheduled to begin in the spring of 2014 (usually in February) for the class start of June 2014. Maria and the program coordinators have an information sheet on how and when to apply to the program. Interested parties can contact Maria at her email address. Information about prerequisites is available on the college website at AVC.edu, under academics, radiologic technology, program requirements. Maria reviewed a copy of the program webpage with the group and discussed the features.

Laboratory

A tour of the laboratory facilities was conducted.

Meeting was adjourned at 630pm.

Next Meeting: TBA

Attachments:

Graduate Survey
Employer Survey
Program Webpage
Attendance Sheet



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[Radiologic Technology Resource Links](#)

[Program Success](#)



Last Updated:
Tuesday, July 17, 2012

Health Sciences: Radiologic Technology Program

Program Description

The Antelope Valley College radiologic technology program provides concurrent didactic and clinical education. The program length is 24 months. Students should expect to attend class/clinic/laboratory 4 to 5 days per week, up to 40 hours per week, and therefore should be able to make a full time commitment. Courses are scheduled in the fall, intersession, spring and summer sessions. Weekend and/or evening hours may be required. The clinical education sites affiliated with the program are located in Lancaster, Palmdale and Ridgecrest, California. Students may be assigned to any clinical education site during the length of the program.

The course of study leads to an Associate in Science Degree in Radiologic Technology.

Students must receive a grade of "C" or better in all required core courses and the specific courses listed as program electives in order to qualify for the degree. Program policies and information concerning estimated program costs are available upon request.

Program Mission

The mission of the Antelope Valley College radiologic technology program is to serve the community by providing an educational setting for the development of knowledge, skills and professional behaviors essential for a foundation and career advancement in radiologic technology sciences.

Program Goals/Student Learning Outcomes

Goal: Students will be clinically component.

Student Learning Outcomes:

Students will apply positioning skills.

Students will select technical factors.

Students will utilize radiation protection.

Goal: Students will demonstrate communication skills.

Student Learning Outcomes:

Students will demonstrate written communication skills.

Students will demonstrate oral communication skills.

Goal: Students will develop critical thinking skills.

Student Learning Outcomes:

Students will adapt standard procedures for non-routine patients.

Students will critique images to determine diagnostic quality.

Goal: Students will model professionalism.

Student Learning Outcomes:

Students will demonstrate work ethics.

Students will summarize the value of life-long learning.

Role of the Diagnostic Radiologic Technologist

Radiologic Technologists are educated to perform diagnostic imaging. They learn to position patients for x-ray exams, provide radiation safety for patients and others, and produce a quality diagnostic image. With additional training, Radiologic Technologists can specialize in various procedures and exam modalities.

Radiologic Technologists must pass a national certification exam and receive a certificate from the State of California in order to practice. To maintain their certificates, Radiologic Technologists must complete 24 hours of continuing education every two years.

For more information about radiologic technology as a career, see the American Society of Radiologic Technologists® website (www.asrt.org). For information about the certification exam for Radiologic Technologists, see the American Registry of Radiologic Technology® website (www.arrt.org).

Suggested Course Sequence

Note: All courses must be completed with a grade of “C” or higher. Radiologic Technology (RADT) courses must be completed in the sequence listed. MATH 102 must be completed before RADT 109 is taken as it is a prerequisite for RADT 109.

| Required Prerequisite Courses Units | | Units |
|-------------------------------------|--|-------|
| BIOL 201 | General Human Anatomy (GE requirement Area A)* | 4 |
| BIOL 202 | General Human Physiology | 4 |
| ENGL 101 | Freshman Composition (GE requirement Area D-1) | 3 |
| Units | | 11 |
| | | |
| First Summer | | Units |
| RADT 101 | Introduction to Radiologic Technology | 2 |
| RADT 102 | Patient Care in Radiology | 2 |
| PSY 101 | General Psychology (GE requirement Area B) | 3 |
| Units | | 7 |
| | | |
| First Fall Semester | | Units |
| RADT 103/103CL | Radiographic Positioning and Procedures I | 10 |
| RADT 104 | Radiographic Principles I | 3 |
| MATH 102 | Intermediate Algebra (GE requirement Area D-2) | 4 |
| Units | | 17 |
| | | |
| Intersession | | Units |
| RADT 106 | Radiographic Clinical Practicum IA | 2 |
| Course from GE requirement Area C | | 3 |
| Units | | 5 |
| | | |
| First Spring Semester | | Units |
| COMM 103 | Process of Communication (GE requirement Area E) | 3 |
| RADT 107/107CL | Radiographic Positioning and Procedures II | 11 |
| RADT 108 | Advanced Principles of Exposure | 3 |
| RADT 109 | Radiation Physics | 3 |
| Units | | 20 |
| | | |
| Second Summer | | Units |
| RADT 201 | Radiographic Clinical Practicum III | 6 |
| Units | | 6 |
| | | |
| Second Fall Semester | | Units |
| RADT 202/202CL | Radiographic Pathology | 10 |
| RADT 203 | Fluoroscopic Imaging & Radiation Protection | 3 |

| | | |
|-----------------------------------|---|--------------|
| RADT 204 | Principles and Applications of Cross-Sectional Anatomy in Imaging | 2 |
| RADT 210 | Principles of Venipuncture for Radiology | 1 |
| Units | | 16 |
| | | |
| Second Spring Semester | | Units |
| RADT 207/207CL | Advanced Radiographic Procedures | 10 |
| RADT 208 | Radiographic Certification Preparation | 4 |
| Course from GE requirement Area F | | 3 |
| Units | | 17 |
| | | |
| Degree Total | | 99 |

*"GE" means "General Education." The GE courses meet the college requirements for graduation with an Associate in Science degree.

The next application period for the radiologic technology program is anticipated to be spring 2014 for the class that begins in summer 2014.

- [Program Requirements](#)

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 Contact Webmaster | 661.722.6300



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Antelope Valley College Radiologic Technology Program Success

The program measures its success by meeting the Joint Review Committee on Education in Radiologic Technology Standards for program effectiveness. The standards are available at www.jrcert.org. The program submits an annual report to the JRCERT, available at <https://portal.jrcertaccreditation.org/summary/programannualreportlist.aspx>. (Please note: data for this report is only available for years in which the program graduated a class).

National Registry Exam Pass Rates

Following successful completion of the Antelope Valley College (AVC) radiologic technology program, graduates may apply to take the American Registry of Radiologic Technologists (ARRT) certification examination. The following indicates AVC radiologic technology program graduates' success when taking the ARRT registry exam for the first attempt within six months of graduation:

| Year Graduated | AVC First Time Pass Rate | National First Time Pass Rate* |
|----------------|--------------------------|--------------------------------|
| 2010 | (7/7) 100% | 92.4% |
| 2012 | (8/8) 100% | N/A |

* From ARRT Primary Exam Results (www.arrt.org)

Annual Program Completion Rates

The number of students who completed the program within 24 months:

| Year Graduated | Program Completion |
|----------------|--------------------|
| 2010 | (7/11) 64% |
| 2012 | (8/10) 80% |

Job Placement

Of those pursuing employment, eligible graduates that are gainfully employed within six months after graduation:

| Year Graduated | Job Placement |
|----------------|---------------|
| 2010 | (4/5) 80% |
| 2012 | N/A |

(Revised 09/12)

Antelope Valley College

Radiologic Technology Resource Links

| RESOURCE NAME | URL |
|---|---|
| American College of Radiology | http://www.arc.org/ |
| American Registry of Diagnostic Medical Sonographers | http://www.ardms.org/ |
| American Registry of Radiologic Technologists | https://www.arrt.org/ |
| American Society of Radiologic Technologists | http://www.asrt.org |
| California Department of Public Health - Radiologic Health Branch | http://www.cdph.ca.gov/programs/Pages/RadiologicHealthBranch.aspx/ |
| California Society of Radiologic Technologists | http://www.csrt.org/ |
| The Joint Review Committee on Education in Diagnostic Medical Sonography | http://www.jrcdms.org/ |
| The Joint Review Committee on Educational Programs in Nuclear Medicine Technology | http://www.jrcnmt.org/ |
| The Joint Review Committee on Education in Radiologic Technology | http://www.jrcert.org/ |
| National Council on Radiation Protection | http://www.ncrponline.org/ |
| Nuclear Medicine Technology Certification Board | http://www.nmtcb.org/ |
| Nuclear Regulatory Commission | http://www.nrc.gov/ |
| Radiologic Society of North America | http://www.rsna.org/ |

Antelope Valley College
Radiologic Technology Graduate Survey

Name: _____ Date _____

A. When did you graduate? (month/year) _____

- I have attempted the ARRT exam. Date of Examination _____.
- I have **not** attempted the ARRT Exam. I do **not** plan to take the ARRT Exam.
- I have **not** attempted the ARRT Exam, but plan to take it _____ (date).

B. Are you currently employed in radiologic technology? Yes No

If, yes where? _____

If no, what are you doing now?

- Actively pursuing employment in radiologic technology
- Have no plans to work in radiologic technology
- Working in another field
- Continuing my education in healthcare
- Continuing my education in another field
- Other: _____

C. Please tell us about your experience in *Antelope Valley College Radiologic Technology Program*. Mark the box that most closely reflects your opinion with an "X":

1 = Strongly agree 2 = Agree 3 = Disagree 4 = Strongly disagree
5 = No observation or not applicable

| | | 1 | 2 | 3 | 4 | 5 |
|----|---|---|---|---|---|---|
| 1 | The classroom courses offered in the program were interesting. | | | | | |
| 2 | The classroom courses offered were relevant to my experience as a new graduate in the field. | | | | | |
| 3 | My classroom experience helped me pass the ARRT exam. | | | | | |
| 4 | My clinical assignments gave me a clear picture of what to expect as a working technologist. | | | | | |
| 5 | My clinical assignments helped me develop a sense of professionalism and ethical conduct. | | | | | |
| 6 | My instructors in the program cared about my success. | | | | | |
| 7 | My instructors in the program were knowledgeable about current trends in the field. | | | | | |
| 8 | The classroom, laboratory and clinical facilities provided met my educational needs. | | | | | |
| 9 | Overall, I am satisfied that the program prepared me for entry-level employment in radiologic technology. | | | | | |
| 10 | I would recommend this program to others. | | | | | |

MORE QUESTIONS ON THE OTHER SIDE

Please use the space below to expand on any of the questions asked that you feel needs additional explanation.

Please describe the strengths of this program. Try to be specific and give examples.

How can this program be improved?

Thank you for participating in this survey.

Antelope Valley College
Radiologic Technology Graduate Survey

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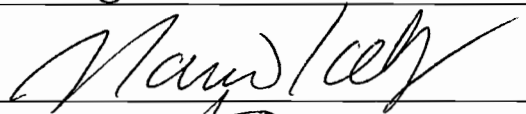
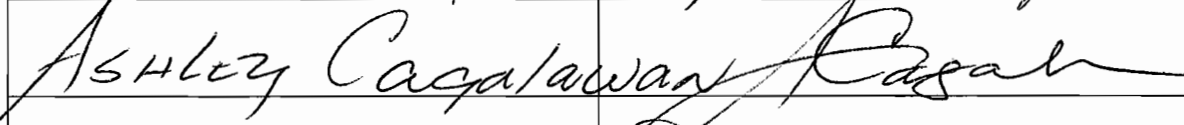
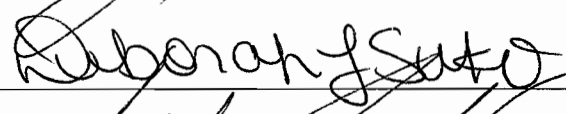
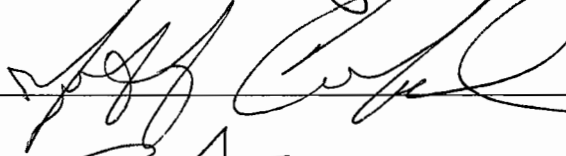

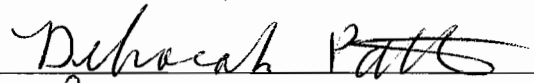
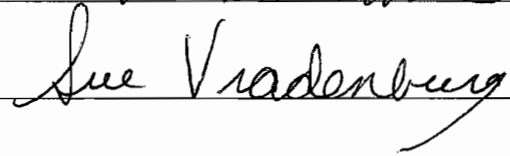
**Antelope Valley College
Radiologic Technology Program
Advisory Board Meeting**

Applied Arts Building 119

October 25, 2012

4:30pm

Attendees:

| Print Name: | Signature |
|------------------|--|
| MARIA KELLY |  |
| Ashley Cacalawan |  |
| Debbie Suko |  |
| Jeff Crawford |  |
| Cindy Austin |  |
| Deborah Pattersa |  |
| Sue Vradenburg |  |
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