

EL CAMINO COLLEGE

DIVISION OF HEALTH, SCIENCES & ATHLETICS

RADIOLOGIC TECHNOLOGY

(Medical X-ray)

ABOUT THE PROGRAM:

This program is a diagnostic medical radiography program leading to an A.S. Degree and eligibility to take the American Registry of Radiologic Technology Registry Exam (ARRT) for an R.T. license.

At this time, the El Camino College Radiologic Technology Program does not offer specialized courses in FLUOROSCOPY for a State License. The fluoroscopy courses are integrated within the Program Courses.

This program does not offer separate courses in Ultrasound, Nuclear Medicine, Radiation Therapy, MRI or CT.

The Associate in Science (A.S.) Degree Radiologic Technology program is twenty-five months in length. The program consists of four regular semesters, two eight week summer sessions, and one eight week post session.

The clinical (hospital) training portion of the program parallels the academic courses. Satisfactory completion of degree and certificate requirements qualifies students for State and National Certification examinations.

The Radiologic Technology Program is fully accredited, having met requirements of The Joint Review Committee on Education in Radiologic Technology (JRCERT), and the Radiologic Health Branch of the California Department of Health Services.

Radiologic Technology Program Courses must be taken in sequence, and each course must be completed with a minimum grade of "C".

Applicants with prior training or experience in Radiologic Technology may petition for credit by examination for RT-A, RT#111, RT#106, and RT#107. Each applicant will be evaluated on an individual basis.

PRE - APPLICATION REQUIREMENTS

- High School Graduation; (GED, or higher degree)
- **Radiologic Technology A, Anatomy #32 and Physiology 31, or Anatomy and Physiology 34A and 34B** * Physiology 31 has a prerequisite of Anatomy 30 or 32 and Chemistry 4 or 20 or 21A, Anatomy and Physiology 34A has a prerequisite of Chemistry 4 or 20 or 21A
- Prerequisite courses must be completed with a minimum grade of "C".
(Recommended: Anatomy and RTEC A be taken within **5 years** of application date)
- GPA of 2.25+; (Post high school courses)

El Camino College District ensures equal access to its services, classes and programs without regard to race, religious creed, color, national origin, ancestry, handicap, sex or service as a Vietnam-era veteran.

ADMISSION INTO THE PROGRAM

Students are admitted into the program by an application process. Applications are available throughout the year in the Program Director's office, (Phys 116A). The **Date of Completed Application** is the first criterion in the selection of students for the program. *See "**Application Procedure**" sheet for additional information

A limited number of students are admitted into the program annually. Class size is determined by the availability of clinical space. Qualified applicants, who apply after a class is filled, may be placed on a "Waiting List". Those on the "Waiting List" will be admitted in the order of application date, number of completed courses and points from clinical observations hours or work experience.

It is **expected** that **applicants should complete all General Education and Program Major courses prior to starting the program.** (see pg. 3) This can be used as a consideration for acceptance when there are a large number of applicants. The length of the program and the number of hours required for both the clinical and academic courses allows very little time for other courses.

PROCEDURE FOR ADMISSION

- Refer to the CURRENT El Camino College Catalog:

See (Section 1) for college admission procedures. Questions concerning appropriate forms, dates, fees and College registration procedures should be directed to the office of admissions and records.

- Arrange with the College Testing center to take the English and Math Placement Tests
- Schedule an appointment with a COLLEGE COUNSELOR
- During the process of completing the last Prerequisite Course (the last month of the semester)
- Make an appointment to obtain an application with the **Program Director: Mrs. Dawn Charman, (310) 660-3593 ext 3247; Appointment times are generally scheduled from 2 – 4 weeks after the end of each semester**
- Students will be notified by email of starting date
- There is a mandatory orientation class in the summer prior to starting the program in the Fall – you will be notified of the time and day.

TRANSFER CREDIT

Students wishing to transfer from another Radiologic Technology program must contact the Program Director for assessment. Advanced standing will be determined following the submission and evaluation of course descriptions, official transcripts, and verification of clinical experience.

<p style="text-align: center;">RADIOLOGIC TECHNOLOGY DEGREE & CERTIFICATE CURRICULUM</p>

Students must have been accepted into the Radiologic Technology Program prior to enrollment in Radiologic Technology courses (except RT A). Students are expected to complete the program in twenty-five months from the time of starting.

FIRST YEAR

1 st Semester	Number of units	Hrs arranged	2 nd Semester	Number of units	Hrs arranged	3 rd Semester	Number of units	Hrs Arranged
<u>Clinical</u> RTEC 106	4	12-15	<u>Clinical</u> RTEC 107	7	24	<u>Clinical</u> RTEC 108	6	35
<u>Academic</u> RAD TEC 111	4		<u>Academic</u> RAD TEC 124	4				
<u>Academic</u> RAD TEC 123	4							

SECOND YEAR

4 th Semester	Number of units	Hrs arranged	5 th Semester	Number of units	Hrs arranged	6 th Semester	Number of units	Hrs Arranged
<u>Clinical</u> RAD TEC 217	7	24	<u>Clinical</u> RAD TECH 218	7	24	<u>Clinical</u> RAD TECH 219	6	35
<u>Academic</u> RAD TEC 233	3		<u>Academic</u> RAD TEC 255	4				
<u>Academic</u> RAD TEC 244	4		<u>Academic</u> RAD TEC 91	1				
			<u>Academic</u> RAD TEC 93	1				

POST SESSION

7 th Semester 1 st 8 weeks	Number of units	Hrs arranged
<u>Clinical</u> RAD TEC 328	4.5	24 clinical and 3 hrs/wk on campus

REQUIREMENTS FOR R.T. & A.S. DEGREE COMPLETION

In addition to the pre-requisite classes, it is expected that the courses below be completed before beginning the Radiologic Technology Program.

MAJOR (minimum grade of "C")

GENERAL EDUCATION

English 1A	Intermediate Algebra- Math 70 or 73 or 80
CIS 13	Humanities- one course
Psychology 5	Contemporary Health 1 or 3 units of PE
Medical Terminology 1	

SPECIAL NOTE REGARDING A.R.R.T. CERTIFICATION ELIGIBILITY

Students **must** comply with the “Rules of Ethics” contained in the American Registry of Radiologic Technologists’ (ARRT) Standard of Ethics.

The “Rules of Ethics” are minimally acceptable standards of professional conduct for all presently Registered Technologists and Applicants.

The “Rules of Ethics” are intended to promote the protection, safety and comfort of patients.

The A.R.R.T. may deny applications for certification if the applicant has been found guilty of dishonesty, fraud, deceit, acts which deceive the public, felony, child abuse, sex offender crimes; acts involving narcotics, dangerous drugs or devices, assault and/or battery and other crimes.

Applicants having questions regarding limitations related to licensure should contact:

THE AMERICAN REGISTRY OF RADIOLOGIC TECHNOLOGISTS
1255 NORTHLAND DRIVE
ST. PAUL, MINNESOTA 55120-1155
TEL: (651) 687-0048 Web Site: www.arrt.org
For a Pre-Application Packet

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RE: Requests for Criminal Background Checks as of January 2004, the Joint Commission on Accreditation of Hospitals Organizations (JCAHO) added a new standard for its accreditations involving personal background checks on all persons involved in direct patient care, which can include employees, volunteers and students. HR 1.20 & Title 5, section 58106 allows districts to **establish limitations on enrollment** for various reasons including to protect health and safety.

Effective Fall 2005 semester, criminal background checks for all newly admitted students will be implemented. Successful completion of a criminal background check is **required for admission** and continuation in all Health Sciences Programs. JCAHO requires verification of competency of all individuals who have direct contact with patients or employees; this includes students doing clinical rotations in the facility. Competency extends beyond technical skills to an individual’s criminal history. The criminal background check policy and procedure for meeting this mandated prerequisite is available from the Program Director. The student shall be responsible paying any associated costs of a criminal background check. The Radiologic Technology Program background checks are done at a cost of approximately \$50.

FOR MORE INFORMATION

Program Email: RadTech@elcamino.edu

THE RADIOLOGIC TECHNOLOGY PROGRAM DIRECTOR:
Mrs. Dawn Charman, M.Ed, R.T. (310) 660-3593 ext. 3247
16007 Crenshaw Blvd., Torrance, CA 90506

EMAIL: xrayteacher@yahoo.com or dcharman@elcamino.edu

Mrs. Dawn Charman’s web page: <http://www.elcamino.edu/faculty/dcharman>

PROGRAM WEBSITE: <http://www.elcamino.edu/academics/healthsciences/radiologictech/>

Or go to the School web page: www.elcamino.edu in the search line type: radiologic technology – click the 1st link



EL CAMINO COLLEGE
DIVISION OF HEALTH SCIENCES AND ATHLETICS
RADIOLOGIC TECHNOLOGY PROGRAM
COURSE EVALUATION WORKSHEET – ACADEMIC PLAN FOR ADMISSION

MASTER EDUCATION PLAN

Prerequisite courses for the Rad Tech Major and AS Degree *	Units	Radiologic Technology Courses		Units
Anatomy 32/34A-Principles of Human Anatomy	4	RTEC 91	Radiographic Pathology	2
Physiology 31/34B-Human Physiology	4	RTEC 93	Venipuncture & Pharmacology for the RT	1
RTEC A-Introduction to Radiologic Technology	3	RTEC 106	Clinical Experience 1	4
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Psychology 5- General Psychology	3	RTEC 108	Clinical Experience 3	5
CIS 13 – Intro to Computers	3	RTEC 111	Fundamentals of Radiologic Technology	4
Math 70, 73, 80 – Intermediate Algebra	5	RTEC 123	Radiographic Positioning 1A	4
English 1A – Reading and Composition	4	RTEC 124	Radiographic Positioning 1B	4
Medical Terminology	3	RTEC 217	Clinical Experience 4	7
Humanities Course	3	RTEC 218	Clinical Experience 5	7
Contemporary Health 1- or 3 PE	3	RTEC 219	Clinical Experience 6	6
Behavior/Social Sciences Course	3	RTEC 233	Radiographic Positioning 2	3
Total Units	40	RTEC 244	Radiation Physics, Equipment, and Safety	4
Equivalent Courses <u>may</u> be taken at other colleges		RTEC 255	Advanced Imaging/Special Procedures	4
Meet with a Counselor for Articulation with ECC		RTEC 328	Clinical Experience 6 & Review	4.5
			Program Total Units	66.5

COURSE SEQUENCING:

- Anatomy, Physiology and RTEC A – are PRE-REQUISITE COURSES and *must* be completed before application and acceptance into the Radiologic Technology Program.
- Other courses in the right column *should* be completed prior to acceptance into the Radiologic Technology Program.

**If you have completed courses at other colleges –
you should meet with a counselor to check for course articulation**

**ECC Health Sciences Counselors:
Chris Jefferies, Ken Keys, Valencia Rayford**

Take the course evaluation form with you the to counseling appointment

EL CAMINO COLLEGE
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RADIOLOGIC TECHNOLOGY PROGRAM APPLICATION PROCEDURE

Persons wishing to apply for admission to the Radiologic Technology Program may obtain an application (when eligible) from the **Program Director: Mrs. Dawn Charman – Office: PHYS 116A**, when the follow requirements have been met:

- **Completion of the 3 Prerequisite Courses:**

- **RTEC A - Intro to Rad.Tech(3 units) , Anatomy (4units) & Physiology (4 units)**

You may contact the Program Directors during the last 2 weeks of enrollment in the last prerequisite course to schedule an appointment for an application.

During the application appointment, the following must be provided to the Program Director:

- ▶ **All college transcripts.**
- ▶ **Three character references on letterhead stationary with signatures and contact information.**
 - **Professional or Business references – *not personal (family or friends)***

Upon completion of the above, the applicant is officially on the waiting list.

While on the waiting list, **all remaining academic coursework required* shall be completed with a minimum GPA of 2.25.** Students are advised to meet with an El Camino College counselor to ensure graduation requirements have been met.

PRIOR TO OBTAINING AN APPLICATION, STUDENTS SHOULD:

- Make an appointment with a college counselor to evaluate previous college work. credit transfers, prerequisite completion, course equivalency, etc. (Take a copy of the Radiologic Technology Course Evaluation Worksheet with you to the appointment)

DURING THE APPLICATION APPOINTMENT WITH THE PROGRAM DIRECTOR

- ▶ Applicants are admitted into the Program based on the following:
 - **Official Date of Completed Application Materials**
 - **Completion of All Academic Course Requirements (see worksheet)**
 - **Number of Points accumulated (see pg 2 for explanation)**
 - **Work Experience in Radiology or XT licensure (Limited X-ray License)**
- ▶ Applicants will be given a thorough explanation of the program including academic and clinical requirements, expectations and time commitment.
- ▶ Each applicant will be notified during May, informing them of their current status on the waiting list. The response card must be returned by the deadline (June 1) to remain on the waiting list.
 - It is the applicant's responsibility to contact the Program Director to update their application information (address, phone number and email), if changed.
- ▶ **After the application appointment, if there are any remaining courses to be completed – a new transcripts must be provided to the Program Director upon completion of each class - to keep the student's file up to date. Failure to do so may result in a change of position on the waiting list.**
- ▶ **If an applicant fails to reaffirm their application status or continue towards completion of the Academic requirements, they shall be placed at the bottom of the waiting list.**

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RADIOLOGIC TECHNOLOGY PROGRAM APPLICATION PROCEDURE – pg 2

- ▶ Applications are accepted three times a year (Feb, June & October) by appointment only.
- ▶ Applications for the new class of students will be reviewed each April. The applications may be re-ordered on the waiting list according to the number of points awarded for courses completed, observations hours completed, or work experience.

When there are a number of applications submitted at the same time, the applications may be ranked based the following point system:

- The date of completed application, the number of courses completed, and number of observation hours or work experience completed.
- Points will be awarded for each required academic courses completed - leading to an Associate in Science Degree in Radiologic Technology at the time of the selection process.

7 POINTS TOTAL ARE POSSIBLE FOR THE FOLLOWING REQUIRED COURSES

- RT Major Courses: **Medical Terminology (Med Asst 4), CIS 13, Psychology 5**
- A. S. Degree Required Courses: **English 1A, Math 73 or higher, Humanities, and Cont Health or 3 units of PE**
- Additional points may be awarded, when **documented proof** of the following has been provided to the Program Director at the time of application:

Any work related (or volunteer) experience in a radiology department/ imaging center:

Point system:	Minimum of 8 hours	=	0.5 point
	20 hours	=	1 point
	40 hours	=	2 points
	More than 40 hours	=	2.5 points
Work experience in Radiology Department		= (+ up to an additional 3 points)	
or XT (Limited X-ray) License			

- ▶ Points awarded for work in other health-care related field will be awarded on a case by case basis. Documentation form may be obtained from the Program Director.
- ▶ The Radiologic Technology Program begins a new class of students once each year, in the Fall Semester. There is a mandatory 4 hour orientation session during the summer.
- ▶ The number of students selected each year is based on the availability of positions at the clinical sites and is subject to change from year to year.

In the event that a large number of applications are submitted at the same time, with the same number accumulated points, a “**lottery system**” will be used to place applications in order on the waiting list.

Applicants are encouraged to contact the Program Director with program related questions that may arise while on the waiting list.

Dawn Charman , M.Ed., R.T.
RADIOLOGIC TECHNOLOGY PROGRAM DIRECTOR
EMAIL: xrayteacher@yahoo.com or dcharman@elcamino.edu
Office: PHYS 116 A Phone # (310) 660-3593 ext/ 3247
PROGRAM APPLICATION PROCEDURES SUBJECT TO CHANGE TO OFFER THE BEST DESIRABLE
OUTCOME FOR EQUALITY AND SUCCESS FOR BOTH THE STUDENT AND THE PROGRAM