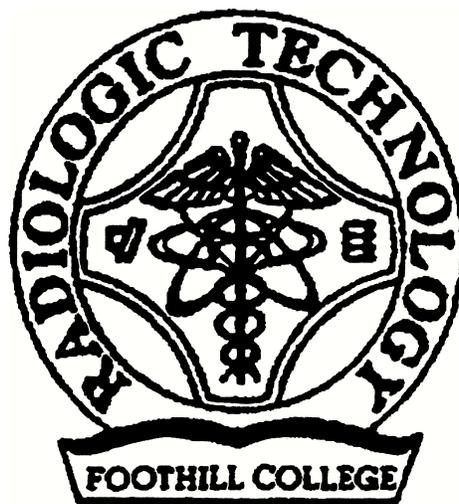


FOOTHILL COLLEGE
RADIOLOGIC TECHNOLOGY PROGRAM

STUDENT
CLINICAL COMPETENCY
HANDBOOK

2022-2024



Student: _____

Class of 2024

Student Name: _____

Student Competency Procedure Log

CATEGORY 1 Chest & Thorax	Mandatory/ Quarter	Elective/ Quarter	Date Completed	Patient or Simulated	Verified By	First 6 th Month Recheck July - Dec.	Second 6 th Month Recheck Jan. - June
Chest Routine	1 st						
Chest AP (Wheelchair or Stretcher)	2 nd						
Chest Routine (age 6 or younger)	4 th						
Ribs	3 rd						
Chest Lateral Decubitus		2 nd					
Sternum		3 rd					
Sternoclavicular Joints		3 rd					
CATEGORY 2 Extremities							
Thumb or Finger	1 st						
Hand	1 st						
Wrist	1 st						
Forearm	1 st						
Elbow	1 st						
Humerus	1 st						
Shoulder	2 nd						
Foot	1 st						
Ankle	1 st						
Tibia-Fibula	1 st						
Knee	1 st						
Femur - 4 views	2 nd						
Clavicle	2 nd						
Scapula		2 nd					
AC Joints		2 nd					
Patella		1 st					
Calcaneus		1 st					
Toe		1 st					
Trauma Shoulder or humerus (Scapular Y, Transthoracic, or Axillary)*	2 nd						
Trauma Upper Extremity (Non-shoulder)*	3 rd						
Trauma Lower Extremity*	3 rd						
Upper/Lower extremity (age 6 or younger)		4 th					
CATEGORY 3 Cranium							
Skull		4 th					
Paranasal Sinuses		6 th					
Facial Bones		6 th					
Orbits		6 th					
Nasal Bones		6 th					
Mandible (Panorex acceptable)		6 th					
Temporomandibular Joints		6 th					

Student Name: _____

CATEGORY 4 Spine & Pelvis	Mandatory/ Quarter	Elective/ Quarter	Date Completed	Patient or Simulated	Verified By	First 6 th Month Recheck July - Dec.	Second 6 th Month Recheck Jan. – June
Pelvis	2 nd						
Hip	2 nd						
Cross Table Lateral Hip (Horizontal beam, recumbent)	2 nd						
Cervical Spine	3 rd						
Cross Table Lateral Spine (Horizontal Beam, recumbent)	3 rd						
Thoracic Spine	3 rd						
Lumbosacral Spine	3 rd						
Sacrum and/or Coccyx		3 rd					
Scoliosis Series		4 th					
Sacroiliac Joints		3 rd					
CATEGORY 5 Abdomen & Fluoroscopic Studies	Student must select either an Upper GI or Barium Enema and one additional fluoroscopy study.						
Abdomen Supine (KUB)	1 st						
Abdomen Upright	2 nd						
Abdomen Decubitus		2 nd					
Abdomen (age 6 or younger)		4 th					
Esophagus		2 nd					
Small Bowel Series		2 nd					
Upper GI Series (Single or Double Contrast)		2 nd					
Barium Enema (Single or Double Contrast)		2 nd					
CATEGORY 6 Other							
Intravenous Urography		2 nd					
Cystography/Cystourethrography		2 nd					
ERCP		2 nd					
Arthrography		2 nd					
Myelography		3 rd					
Upper Airway (Soft-Tissue Neck)		3 rd					
Hysterosalpingography		3 rd					
CATEGORY 7 Mobile & Surgical Studies							
Portable Chest	2 nd						
Portable Abdomen	2 nd						
Portable Orthopedic	2 nd						
Mobile Study (age 6 or younger)		4 th					
C-arm Procedure (Requiring manipulation to obtain more than one projection)	4 th						
Surgical C-arm Procedure (Requiring manipulation around a sterile field)	4 th						

Student Name: _____

CATEGORY 8 Geriatric Patient**	Mandatory/ Quarter	Elective/ Quarter	Date Completed	Patient or Simulated	Verified By	First 6 th Month Recheck	Second 6 th Month Recheck
						July - Dec.	Jan. – June
Chest Routine	1 st						
Upper or lower Extremity	1 st						
Hip or spine		3 rd					

* Trauma is considered a serious injury or shock to the body. Modifications may include variations in positioning, minimal movement of the body part, etc.

- All exams are labeled with a 1, 2, 3 or 4. This designates the quarter the student may begin comping on those exams. 1 = Fall, 2 = Winter, 3 = Spring, 4 = Summer Quarter of the first year.

** Geriatric Patients need to be 65 years of age or older, who have physical or cognitive impairment as a result of aging.

Competency Requirements First Year

Fall – 1st Quarter	Three Competencies	
	<ul style="list-style-type: none"> ▪ Chest – Adult (2V) ▪ KUB ▪ One Mandatory Extremity from Category 2 on the Student Competency Procedure Log labeled 1st Quarter. ▪ All mandatory competencies shall be performed on patients’ age 18 and older. 	(3)
Winter – 2nd Quarter	Five Competencies	
	<ul style="list-style-type: none"> ▪ Five Competencies. ▪ Competencies must be selected from the Student Competency Procedure Log labeled 1st or 2nd Quarter. ▪ All mandatory and elective competencies shall be performed on patients’ age 16 and older. 	(5)
Spring – 3rd Quarter	Seven Competencies	
	<ul style="list-style-type: none"> ▪ Seven Competencies. ▪ Competencies must be selected from the Student Competency Procedure Log labeled 1st, 2nd or 3rd Quarter. ▪ All mandatory and elective competencies shall be performed on patients’ age 16 and older. 	(7)
Summer – 4th Quarter	Seven Competencies	
	<p>Recheck competencies required before student performs exam under indirect supervision</p> <ul style="list-style-type: none"> ▪ Seven Competencies ▪ Competencies must be selected from the Student Competency Procedure Log labeled 1st, 2nd, 3rd or 4th Quarter. ▪ All non-pediatric designated competencies may be performed on patients’ age 7 and older. ▪ Begin rechecks of the 15 competencies completed during the first 3 quarters of the program (Fall, Winter and Spring Quarters). The student will be expected to complete 80% of the of the possible rechecks based on clinical opportunities. 	(7)

Note: Femur competency is four views: AP/Lat to include knee & AP/Lat hip.

Each exam can only be counted for one competency, but a patient may have multiple exams ordered which could be used for multiple competencies.

Competencies performed on C-spine and L-spine must be full series. Mock additional views if necessary. Students who prove competency on Esophagus and UGI in digital fluoro rooms must mock the following overhead views: Esophagus: RAO – Rt. Lateral UGI: AP – LPO – RAO – Rt. Lateral

Competency Requirements Second Year

Fall – 5 th Quarter	Eleven Competencies	
	<ul style="list-style-type: none"> ▪ Eleven Competencies. ▪ Competencies must be selected from the Student Competency Procedure Log labeled 1st, 2nd, 3rd or 4th Quarter. ▪ All non-pediatric designated competencies may be performed on patients' age 7 and older. ▪ Complete rechecks of the 15 competencies completed during the first 3 quarters of the program (Fall, Winter and Spring Quarters). The student will be expected to complete final 20% of the of the possible rechecks based on clinical opportunities. 	(11)
Winter – 6 th Quarter	Eleven Competencies	
	<p>Recheck competencies required before student performs exam under indirect supervision</p> <ul style="list-style-type: none"> ▪ Nine Competencies ▪ Two Elective Competencies – Skull & Paranasal Sinuses. ▪ All non-pediatric designated competencies may be performed on patients' age 7 and older. ▪ Begin rechecks of the 33 competencies completed during the first 5 quarters of the program (Fall, Winter, Spring Summer, Fall). The student will be expected to complete 80% of the of the possible rechecks based on clinical opportunities. 	(9) (2)
Spring – 7 th Quarter	Seven Competencies	
	<ul style="list-style-type: none"> ▪ Seven Competencies ▪ All non-pediatric designated competencies may be performed on patients' age 7 and older. ▪ Complete rechecks of the 33 competencies completed during the first 5 quarters of the program (Fall, Winter, Spring, Summer, Fall). The student will be expected to complete 20% of the of the possible rechecks based on clinical opportunities. 	(7)

- **Total of 36 Mandatory Competencies**
- **Total of 15 Elective Competencies –**
 - *Either an UGI or BE plus one additional fluoroscopy exam*
 - *Skull & paranasal sinuses – Winter Quarter 2nd Year*
 - *11 electives of their choice*
 - Femur competency is four views: AP/Lat to include knee & AP/Lat hip.
 - Each exam can only be counted for one competency, but a patient may have multiple exams ordered which could be used for multiple competencies.
 - Competencies performed on C-spine and L-spine must be full series. Mock additional views if necessary.
 - Students who prove competency on Esophagus and UGI in digital fluoro rooms must mock the following overhead views:
Esophagus: RAO – Rt. Lateral UGI: AP – LPO – RAO – Rt. Lateral

Radiography Clinical Competency Requirements



The clinical competency requirements include the ten general patient care activities listed below and a subset of the 70 radiologic procedures identified on subsequent pages. Demonstration of competence should include variations in patient characteristics (e.g., age, gender, medical condition).

General Patient Care

Requirement: Candidates must demonstrate competence in all ten patient care activities listed below. The activities should be performed on patients; however, simulation is acceptable (see endnote) if state or institutional regulations prohibit candidates from performing the procedures on patients.

→ TO BE SIGNED BY THE PROGRAM DIRECTOR ←

General Patient Care	Date Completed	Competence Verified By
CPR/BLS Certified		
Vital signs (blood pressure, pulse, respiration, temperature, pulse oximetry)		
Sterile and medical aseptic technique		
Venipuncture		
Assisted Patient Transfer (e.g. Slider board, mechanical lift, gait belt)		
Care of patient medical equipment (e.g., oxygen tank, IV tubing)		

Student Name: _____

Patient Movement and Transfer Assessment

Each rotation, beginning fall quarter of the first year until completion of the program, the student will be competency tested on Patient Movement and Transfer.

Clinical instructor to initial and date:

	Initial	Date
Fall 1 st Year		
Winter 1 st Year		
Summer 1st Year		
Winter 2 nd Year		

Digital Assessment

Each rotation, beginning fall quarter of the first year until completion of the program, the student will be competency tested when applicable, on Digital Equipment Operation and Processing.

Clinical instructor to initial and date:

	Initial	Date
Fall 1 st Year		
Winter 1 st Year		
Summer 1st Year		
Winter 2 nd Year		

Student Name: _____

Vital Signs and Medical Equipment Assessment

Once a rotation, beginning summer quarter of the first year until completion of the program, the student will be competency tested on blood pressure, pulse, respiration, oxygen use, suction machine, and IV solution and tubing.

Clinical instructor to initial and date:

	Initial	Date
Summer 1 st Year or Fall 2 nd Year		
Winter 2 nd Year or Spring 2 nd Year		

Sterile and Aseptic Technique Assessment

Summer quarter 1st year students will receive instruction and competency evaluation on sterile and aseptic technique.

Clinical instructor to initial and date:

	Initial	Date
Summer 1 st Year		

Off-Hour Rotation

Winter or spring quarter 2nd year students will receive instruction and evaluation on off-hour shifts.

Clinical instructor to initial and date:

	Initial	Date
Winter or Spring Quarter 2 nd Year		

Student Name: _____

Operating Room and C-arm Rotation

During each of the last four quarters the student will be instructed on the Operating Room and C-arm.

Clinical instructor to initial and date:

	Initial	Date
Summer 1 st Year		
Fall 2 nd Year		
Winter 2 nd Year		
Spring 2 nd Year		

Specialty Rotation

During the last two rotations, the student will be instructed and evaluated on the CT, Angiography, and MRI Rotation forms. The Mammography rotation is optional.

Clinical instructor to initial and date:

	First 6-Month Rotation Fall Quarter (Complete 2)		Second 6-Month Rotation Jan. – June (Complete 2)	
	Initial	Date	Initial	Date
Angiography				
CT				
MRI				
Mammography (Winter/Spring quarter)				

**FOOTHILL COLLEGE
RADIOLOGIC TECHNOLOGY PROGRAM**

Confidentiality Agreement

As a student of Foothill College, you have both a legal and ethical responsibility to protect the privacy of patients. All information that you see or hear regarding patients, directly or indirectly, is completely confidential and must not be discussed or released in any form, except when required in the performance of your duties. If you have access to employee or financial information, you are expected to treat such information in the same confidential manner as patient information.

Your user identification code gives you access to confidential information that should only be used in caring for patients, processing financial, and Human Resources data. All information systems access codes are assigned based on the student's need to have information in order to carry out assigned responsibilities as determined by your clinical instructor.

.....

I understand and agree that in the performance of my duties in the Foothill College Radiology Program, I must hold patient information, employee information, and financial information in confidence as outlined above. I also understand that I have an ethical responsibility to respect the Radiologic Technology Program, its faculty, clinical instructors, clinical affiliates, and Program students in matters that are told to me in confidence. I understand that any violation of confidentiality may result in disciplinary action including dismissal from the Program.

Print Name _____

Signature _____

Date _____