



Description

**Thank you for expressing an interest in York Technical College's
Continuing Education
Health and Human Services**

**HSC 1819 070
Computed Radiography
Image Acquisition Module I**

1. This module is presented in an online format and can be accessed from a computer with Internet capability. Instruction and education in Computerized Radiography and Digital Imaging technology is at premium in today's world. The majority of current practicing radiographers have had no formal training in this area due to its recent advent. The reality is that this technology is being implemented into clinical settings for use by technologists who do not understand or feel comfortable with the process. Often the training provided by the manufacturer is limited by cost or time. This course will create access to professionally approved instruction with unlimited capacity for delivery. Course must be completed within a maximum of 12 weeks.
 2. Discuss the main difference between DR & CR technology.
 3. Describe the benefits of digital imaging
 4. Discuss drawbacks and limitations of digital imaging/CR.
 5. Discuss the elements associated with CR image acquisition which include but are not limited to: PSP construction, Laser processing, phosphor shape, image mapping and construction, Analog to Digital conversion, Digital to Analog conversion.
 6. Describe the process by which laser's "readout" an Imaging plate.
 7. Compare and contrast film screen image acquisition to CR image acquisition.
 8. Define terms:
 - Histogram
 - Algorithm
 - Matrix
 - Pixel
 - Nyquist Frequency
 - Sampling
 - Quantification
8. Differentiate between digital image artifacts and their causes.

Instructor

Instructor: Michele Wells B.S. HCM, RT (R), (M), RDMS Email: mwells@yorktech.com

Credit

This module is approved by SCRQSA for 8 hours- Category B.
Upon Completion, the participant will be awarded a Certificate from York Technical College for 8 hours (0.8 CEUs).

Tuition

\$149 for the Module

Salary Range

\$10 - \$20

Career Opportunities

Hospitals, clinics, Physician offices, other healthcare facilities

Computer

- CD-ROM drive with speakers

Requirements

- Internet access

General Information

If you have any questions please contact:
Continuing Education/ Health and Human Services

Linda Bolick Program Manager (803) 981-7194 bolick@yorktech.com	Robert Hamilton Program Coordinator (803) 981-7348 rhamilton@yorktech.com
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How to Enroll

Mail-In

York Technical College
452 S. Anderson Rd
Rock Hill, SC 29730
Attn: Continuing Education
Send registration form and payment

Fax

Companies may fax letters of authorization or purchase requisitions for registration.
FAX: 803-803 981-7327
Attention: Continuing Education

In Person

Continuing Education Center
Building C
Monday – Thursday 8:00 A.M. - 8:00 P.M.
Friday 8:00 A.M. - 3:00 P.M.

Phone-In

Have Charge Card & Schedule Handy For Charge Card Registration
CALL: (803) 325-2888
Mon. – Thurs 8:00 A.M. - 8:00 P.M.
Friday 8:00 A.M. - 3:00 P.M.

To ensure participation, students should register five business days prior to the start of class. Refunds will not be given to persons cancelling less than two business days prior to the start of class. If we are forced to cancel a class due to low enrollment, full refunds will be made.

Mail in registration form for HSC 1819 070
Online Radiography Computed Radiography
Image Acquisition
Module I

Name _____ SSN _____ DOB _____

Address _____ City _____ State _____ Zip _____

Email address (PLEASE PRINT CLEARLY) _____

Daytime phone _____ Evening phone _____

**Mail payment (payable to York Technical College) to: York Technical College, CE
Registration, 452 South Anderson Road, Rock Hill, SC 29730**

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