

Student Name: _____

SID: _____

 Courses may be subject to prerequisites and minimum grade requirements. Check online at <http://bellevuecollege.edu/classes/All/>

PROGRAM REQUIREMENTS			REQUESTED SUBSTITUTION/TRANSFER CREDIT					
Course	Course Title	Credits	College/University	Course	Credits	Grade	Quarter	Year
RAIT 301	Sectional Anatomy	3						
RAIT 358	Principles of Nuclear Medicine Physics	3						
RAIT 359	Basics of Positron Emission Tomography	3						
RAIT 360	Advanced Positron Emission Tomography	3						
RAIT 361	Clinical Practicum in Positron Emission Tomography	12						
TOTAL		24						

Please complete this form prior to meeting with the Program Chair for signature. Completed form must be submitted to the Evaluations/Graduation Office when applying for graduation.

Program Chair: _____

Date: _____

DESCRIPTION

The certificate in Positron Emission Tomography (PET) is designed for persons with certification or registration as radiologic or radiation therapy technologists, who wish to take the certification exam in positron emission tomography (PET). It may also be appropriate for some nuclear medicine technologists. The didactic courses are designed to prepare the student to sit for the Advanced Certification exam administered by the Nuclear Medicine Technology Certification Board. The clinical practicum provides the student with the opportunity to earn some of the 700 hours of clinical PET experience required prior to applying to take the exam. Enrollment in the clinical practicum is not guaranteed and dependent upon grades, site availability, and approval. A selective-application process is utilized to align eligible students with the appropriate clinical site.

Learning Outcomes

Certificate recipients should possess the skills and abilities described below:

- Discuss the composition, operation, and evaluation of a PET tomograph.
- Describe the standardized uptake value, its uses in clinical PET, and factors affecting it.
- Discuss mechanisms and issues related to the production of PET radionuclides and radiopharmaceuticals.
- Outline important concepts of nuclear medicine physics and their application to radiation protection in PET
- Identify patient preparation and imaging protocols for oncologic, cardiac, and neurologic applications of PET, including the use of interventional pharmaceuticals.
- Evaluate PET and PET/CT images with regard to clinical needs, image quality, and artifacts.
- Discuss reimbursement issues related to PET.
- Analyze case studies and emergency situations in the context of PET.
- Discuss the benefits generated by combining PET tomographs with computed tomography or magnetic resonance imaging.

STAYING ON TRACK

Use Degree Audit to track your progress toward completion of this certificate at <http://bellevuecollege.edu/degreeaudit/>

Please refer to bellevuecollege.edu/programs/degrees/ for latest degree updates and further information.

GRADUATION APPLICATION

Students must apply for graduation. Submit your graduation application form prior to the end of the final quarter; there is no fee required for this certificate. Applications are available at http://bellevuecollege.edu/enrollment/graduation/apply/applications/Short_term_cert.pdf, and at the Enrollment and Registrar Services desk located in the Student Services building.

Submit application to Enrollment and Registrar Services on the first floor of the Student Services Building.

PROGRAM CONTACT INFORMATION

www.bellevuecollege.edu/classes/all/ *Positron Emission Tomography*