BELLEVUE COLLEGE

Radiation & Imaging Sciences

Nuclear Medicine Concentration, Bachelor of Applied Science Degree

STUDENT NAME		**SID #**	
PROGRAM CHAIR		**DATE**	

PROGRAM REQUIREMENTS			**Requested Substitution/Transfer Credits (if applicable)**			**Completed**		
Course	**Course Title**	**CR**	**College/University**	**Course**	**CR**	**Grade**	**Quarter**	**Year**
PROFICIENCY REQUIREMENT								
Proficient use of Microsoft Word, Excel and PowerPoint								
PREREQUISITE REQUIREMENTS								
National Certification in Nuclear Medicine Technology		**55**						
Science	Human Anatomy and Physiology I & II	**10**						
Writing	English Composition and Technical Writing or Research Writing	**10**						
College Level Math	MATH 130 Statistics, BA 240 Statistical Analysis or equivalent	**5**						
CO-REQUISITE REQUIREMENTS								
Humanities	From AAS-DTA transfer list	**5**						
Social Science	From AAS-DTA transfer list	**5**						
Either Humanities or Social Science must be a communication course								
CORE CURRICULUM								
GENERAL EDUCATION COURSES								
CMST 330	Intercultural Health Communication	**5**						
ECON 315	Economics of Healthcare	**5**						
PHIL 365	Biomedical Ethics: Theory and Practice	**5**						
NUCLEAR MEDICINE CONCENTRATION REQUIREMENTS								
HCML 310	Health Information Systems for HC Managers	**5**						
HCML 411	Institutional Quality Management & Accreditation	**5**						
HCML 460	Management & Leadership in Healthcare	**5**						
RAIT 301	Sectional Anatomy	**5**						
RAIT 310	Computed Tomography Instrumentation & Procedures	**3**						
RAIT 311	Clinical Practicum in Computed Tomography	**12**						
RAIT 315	Magnetic Resonance Instrumentation & Procedures	**3**						
RAIT 350	Nuclear Cardiology	**5**						
RAIT 360	Advanced Positron Emission Tomography	**3**						
RAIT 361	Clinical Practicum Positron Emission Tomography	**12**						
RAIT 455	Nuclear Medicine Concept Integration	**2**						
ELECTIVES		**15**						
HCML 301	Essential Foundations of Healthcare Management (5 Cr)							
HCML 320	Finance & Accounting for Healthcare Managers (5 Cr)							
HCML 325	Organizational Theory & Behavior in Healthcare (5 Cr)							
HCML 340	Human Resources Management in Healthcare (5 Cr)							
HCML 350	Legal & Regulatory Aspects of Healthcare (5 Cr)							
HCML 375	Project Management in Healthcare (5 Cr)							
HCML 380	Revenue Cycle in healthcare (5 Cr)							
HCML 399	Independent Study (1-5 Cr)							
HCML 401	Marketing in Healthcare Environment (5 Cr)							
HCML 415	Operations Management in Healthcare (5 Cr)							
HCML 420	Global Healthcare (5 Cr)							
HCML 440	Business Planning in Healthcare (5 Cr)							
HCML 494/5/6/7	Special Topics (1-5 Cr)							
RAIT 302	Body Pathophysiology (5 Cr)							
RAIT 303	Neuropathophysiology (5 Cr)							
RAIT/BIOL 312	Biology of Cancer (5 Cr)							
RAIT 314	CT Lab (1 Cr)							
	List of Electives continued next page							

RAIT 316	Clinical Practicum - MRI (12 Cr)							
RAIT 317	MRI Lab (1 Cr)							
RAIT 399	Independent Study (1-5 Cr)							
RAIT 401	Advanced Sectional Anatomy (2 Cr)							
RAIT 410	Advanced Computed Tomography Procedures (3 Cr)							
RAIT 411	Clinical Practicum II - CT (9 Cr)							
RAIT 461	Clinical Practicum II - PET (9 Cr)							
RAIT 494/5/6/7	Special Topics (1-5 Cr)							
Note: Prior upper-division college courses may be substituted for the electives on approval of the program director.								
GRAND TOTAL		**180**						

Bellevue College consulted with radiation and imaging professionals and accrediting societies to develop the professionally relevant curriculum for this degree. The curriculum incorporates discipline-based, general education and elective courses built on progressive rigor and sophistication. The program receives ongoing review and guidance from its industry advisory committee to maintain currency.

Required core courses provide the technical knowledge and foundational skills to your success as an advanced technologist. Students can also choose from a variety of electives that will help develop advanced technical skills that best match their career goals.

LEARNING OUTCOMES

Degree recipients should possess the skills and abilities described below:

- Perform PET, CT and PET/CT examinations, analyze the results, and provide appropriate patient care relevant to each modality
- Demonstrate a level of knowledge in nuclear cardiology, positron emission tomography, computed tomography, and magnetic resonance imaging that is commensurate with certification exams in these fields
- Discuss concepts of and provide input into the management of radiology image/information processing systems, quality assurance programs, and departmental accreditation efforts
- Apply concepts of management, communications, and teamwork to the operation of a nuclear medicine department, and develop strategies to improve departmental function
- Analyze aspects of health care as currently practiced in the United States, from the standpoint of economic challenges, cultural differences, and ethical dilemmas
- Communicate with culturally dissimilar persons in a professional environment
- Given a variety of scenarios, integrate all aspects of nuclear medicine into holistic solutions or responses

PROGRAM ELIGIBILITY

Individuals must have:

- National certification in Nuclear Medicine Technology
- Demonstrated completion from a regionally accredited college of the following courses, or their equivalent, with a grade point average of 2.0 or better:
  - Human Anatomy and Physiology I & II
  - College Level Math: MATH 130 Statistics, BA 240 Statistical Analysis or equivalent
  - English composition course and Technical Writing or Research Writing
- Co-Requisite requirement: must be completed no later than the first two quarters of acceptance:
  - Humanities course from AAS-DTA transfer list
  - Social sciences courserom AAS-DTA transfer list
  - Either Humanities or Social Science must be a communication course

DEGREE REQUIREMENTS

In addition to eligibility requirements, students must achieve the following:

- Completion of 90 quarter credits in the general program and concentration requirements, with a grade of "C", or better
- A minimum cumulative GPA of 2.0 for all coursework taken at BC and the courses applies to the degree, including credits transferred from other colleges
- At least 45 quarter credits for the degree must be completed in residence at BC, of which 30 credits must be upper division

APPLICATION PROCESS

To be considered for the Bachelor of Applied Science program prospective students must submit the following:

- Completed general Bellevue College admission form
- Nonrefundable admissions and placement fee of $55
- Completed Bachelor of Applied Science application form and notice of right to file a discrimination complaint
- Nonrefundable application fee of $90
- Official transcripts from a regionally accredited college
- Proof of national certification in Nuclear Medicine Technology (NM).
- Two letters of recommendation from someone who personally knows your work, such as your current or past manager, discussing your contributions to your work place and how he or she believes you will benefit from completion of the BAS program
- Personal statement of no more than 500 words discussing your understanding of the role in your chosen field and how that fits in with your personal or professional goals. You may also discuss your work experience; your advanced certifications; specific or unique attributes that you will bring to the program; challenges or hardships you have overcome in pursuing your educational or work goals; or other special considerations that would make you a good candidate for the program.

Applications and instructions are available on the website at ***www.bellevuecollege.edu/imaging/***.

FOR MOST UP-TO-DATE INFORMATION, GO TO:

www.bellevuecollege.edu/programs/degrees/bachelor/bas/nucmed/

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