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
ENTRY REQUIREMENT								
MATH 099	Intermediate Algebra	N/A	Prior business experience or coursework. Skills in creating and using spreadsheets					
PREREQUISITE REQUIREMENTS								
National Certification in Nuclear Medicine Technology		65						
BIOL& 241	Human Anatomy and Physiology I	6						
BIOL& 242	Human Anatomy and Physiology II	6						
ENGL& 101	English Composition I	5						
Humanities	From AAS-DTA transfer list	5						
Social Science	From AAS-DTA transfer list	5						
GENERAL PROGRAM AND CONCENTRATION REQUIREMENTS								
CMST 330	Intercultural Health Communication	5						
ECON 315	Economics of Healthcare	5						
MATH 130	Introduction to Statistics	5						
PHIL 365	Biomedical Ethics: Theory and Practice	5						
Choose 5 credits from the following:		5						
ENGL 201 ENGL& 235	The Research Paper (5 Cr) Technical Writing (5 Cr)							
NUCLEAR MEDICINE CONCENTRATION REQUIREMENTS								
HCML 411	Institutional Quality Management & Accreditation	5						
HCML 460	Management & Leadership in Healthcare	5						
RAIT 301	Sectional Anatomy	3						
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						
RAIT 490	Information & Imaging Management	3						
ELECTIVES								
Choose at least 9 credits from the following:		9						
RAIT 302	Body Pathophysiology (3 Cr)							
RAIT 303	Neuropathophysiology (3 Cr)							
RAIT/BIOL 312	Biology of Cancer (5 Cr)							
RAIT 316	Clinical Practicum - MRI (12 Cr)							
RAIT 399	Independent Study (1-5 Cr)							
RAIT 401	Advanced Sectional Anatomy (2 Cr)							
RAIT 410	Advanced Computed Tomography Procedures (3 Cr)							
RAIT 461	Clinical Practicum II - PET (9 Cr)							
RAIT 494/5/6/7	Special Topics (1-5 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 399	Independent Study (1-5 Cr)							
HCML 401	Marketing in Healthcare Environment (5 Cr)							
HCML 440	New Business Planning in Healthcare (5 Cr)							
HCML 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. 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.

The 180-credit technology concentrations are comprised of 65 credits earned through achievement of national certification in the students' professional field; 25 credits for demonstrated satisfactory completion of specific general education requirements; and 90 credits earned through the general program and concentration requirements.

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 2.5 or better:
  - Intermediate algebra (or assessment into a higher level course)
  - College level English composition
  - Two courses in human anatomy and physiology; or certification in Computed Tomography (CT) or Magnetic Resonance Imaging (MRI)
  - Humanities course
  - Social sciences 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
- Non-refundable general admission fee of $34
- Completed bachelor of applied science application form and notice of right to file a discrimination complaint
- Non-refundable application fee of $90
- Official transcripts from a regionally accredited college
- Proof of national certification in one of the four identified fields.
- 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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