BELLEVUE COLLEGE

Radiation & Imaging Sciences

Technology 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								
MATH 099	Intermediate Algebra	**N/A**						
Proficient use of Microsoft Word, Excel, and PowerPoint								
PREREQUISITE REQUIREMENTS								
National Certification in radiologic technology, diagnostic ultrasound, radiation therapy or nuclear medicine		**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								
BUS& 101	Introduction to Business	**5**						
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**						
RAIM 301	Essentials of Imaging and Therapy	**5**						
HCML 411	Institutional Quality Management and Accreditation	**5**						
HCML 460	Management & Leadership in Healthcare	**5**						
HCML 465	Capstone Proposal	**1**						
HCML 475	Capstone Project	**4**						
RAIT 301	Sectional Anatomy	**3**						
RAIT 302	Body Pathophysiology	**3**						
RAIT 303	Neuropathophysiology	**3**						
RAIT 490	Information & Image Management	**3**						
Choose 5 credits from the following:		**5**						
ENGL 201 **ENGL& 235**	The Research Paper (5 Cr) Technical Writing (5 Cr)							
Choose 28 credits from the following:		**28**						
HCML 320	Finance and Accounting for Healthcare Managers (5 Cr)							
HCML 325	Organizational Theory and 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 the Healthcare Environment (5 Cr)							
HCML 440	New Business Planning for Healthcare (5 Cr)							
HCML 494/5/6/7	Special Topics (1-5 Cr)							
RAIT 310	CT Instrumentation & Procedures (3 Cr)							
RAIT 311	Clinical Practicum – CT (12 Cr)							
RAIT/BIOL 312	Biology of Cancer (5 Cr)							
RAIT 315	MRI Instrumentation & Procedures (3 Cr)							
RAIT 316	Clinical Practicum – MRI (12 Cr)							
RAIT 320	Interventional Procedures (3 Cr)							
RAIT 321	Vascular Interventional Clinical (12 Cr)							
RAIT 325	Mammography (5 Cr)							
RAIT 326	Ultrasound Physics for Mammographers (3 Cr)							

PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)			Completed		
Course	**Course Title**	**CR**	**College/University**	**Course**	**CR**	**Grade**	**Quarter**	**Year**
RAIT 327	Breast Ultrasound for Mammographers (3 Cr)							
RAIT 328	Ultrasound Equipment for Mammographers (2 Cr)							
RAIT 329	Clinical Practicum - Mammography (5 Cr)							
RAIT 330	Breast Ultrasound for Sonographers (3 Cr)							
RAIT 331	Clinical Practicum in Breast Ultrasound (12 Cr)							
RAIT 340	Fetal Echocardiography for Sonographers (3 Cr)							
RAIT 341	Clinical Practicum for Fetal Echocardiography (12 Cr)							
RAIT 344	Sonographer Vascular Technology (3 Cr)							
RAIT 345	Clinical Practicum for Vascular Sonography (12 Cr)							
RAIT 350	Nuclear Cardiology (5 Cr)							
RAIT 359	Basics of Positron Emission Tomography							
RAIT 360	Positron Emission Tomography (3 Cr)							
RAIT 361	Clinical Practicum – PET (12 Cr)							
RAIT 399	Independent Studies (1-5 Cr)							
RAIT 401	Advanced Sectional Anatomy (2 Cr)							
RAIT 410	Advanced CT Procedures (3 Cr)							
RAIT 411	Clinical Practicum II – CT (1-11 Cr)							
RAIT 415	Advanced MRI Procedures (3 Cr)							
RAIT 416	Clinical Practicum II – MRI (1-11 Cr)							
RAIT 421	Clinical Practicum II – Interventional (1-11 Cr)							
RAIT 430	Neurosonology (3 Cr)							
RAIT 434	Musculoskeletal Ultrasound - Lower Extremity (3)							
RAIT 440	Pediatric Sonography (3 Cr)							
RAIT 461	Musculoskeletal Ultrasound - Upper Extremity (3)							
RAIT 444	Clinical Practicum II – PET (9 Cr)							
RAIT 494/5/6/7	Special Topics (1-5 Cr)							
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 following skills and abilities:

- Apply core competencies learned in the graduate's chosen concentration to function as a successful professional in the field of radiation and imaging sciences
- Complete a capstone project that demonstrates the breadth and depth of the educational preparation
- Demonstrate an understanding of leadership, ethical and economic issues as they pertain to the graduate's professional field
- Pass national certification examinations in their chosen required or elective courses
- Demonstrate a commitment to continued competency through life- long learning

PROGRAM ELIGIBILITY

Individuals must have:

- National certification in radiologic technology, radiation therapy, nuclear medicine technology, or diagnostic medical sonography.
- 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
- Nonrefundable 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/rait/

NOTES