

## **Radiation & Imaging Sciences**

Technology Concentration, Bachelor of Applied Science Degree

STUDENT NAM	ИЕ				SID #				
PROGRAM CH	IAIR				DATE				
PROGRAM	M REQUIREMENTS		Requested Sub	stitution/1 f applicabl					
Course	Course Title	CR	College/University	Cour		CR	Grade	Quarter	Year
	REQUIREMENT								
	Microsoft Word, Excel, and PowerPoint								
	REQUIREMENTS								
	ation in radiologic technology, radiation therapy or								
nuclear medicine		50							
Science	Human Anatomy and Physiology I and II	10							
Writing	English Composition and Technical or Research Writing	10							
College Level Math	MATH 130 Statistics, BA 240 Statistical Analysis or equivalent	5							
<b>CO-REQUISITE</b>	REQUIREMENTS								
BUS& 101	Introduction to Business	5							
Humanities	From AAS-DTA transfer list	5							
Social Science	From AAS-DTA transfer list	5							
Either Humanities o	or Social Science must be a communication course								
CORE CURRICI	ULUM								
<b>GENERAL PRO</b>	GRAM AND CONCENTRATION REQUIREMENTS	65-67							
CMST 330	Intercultural Health Communication	5							
ECON 315	Economics of Healthcare	5							
PHIL 365	Biomedical Ethics: Theory and Practice	5							
HCML 301	Essential Foundations of Healthcare Management	5							
HCML 310	Health Information Systems for HC Managers	5							
HCML 411	Institutional Quality Management and Accreditation	5							
HCML 460	Management & Leadership in Healthcare	5							
RAIM 301	Essentials of Imaging and Therapy	5							
RAIT 301	Sectional Anatomy	5							
RAIT 302	Body Pathophysiology	5							
RAIT 303	Neuropathophysiology	5							
RAIT 401	Advanced Sectional Anatomy	2							
RAIT 465	Capstone Proposal	1							
RAIT 475	Capstone Project	4							
Choose one course from the following (others can be used as elective options):		3-5							
RAIT 310	CT Instrumentation & Procedures (3 Cr)								
RAIT 315	MRI Instrumentation & Procedures (3 Cr)								
RAIT 320	Interventional Procedures (3 Cr)								
RAIT 325	Mammography (5 Cr)								
RAIT 330	Breast Ultrasound (5 Cr)								
RAIT 359	Positron Emission Tomography (3 Cr)								
	Finance and Accounting for Use Ith area Manager (5. C.)	23-25							
HCML 320 HCML 325	Finance and Accounting for Healthcare Managers (5 Cr) Organizational Theory and Behavior in Healthcare 5 Cr)								
HCML 325	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 the Healthcare Environment (5 Cr)								
List of Electives con	tinued on page 2								ge 1 of 3



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PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)				Completed		
Course (	Course Title	CR	College/University	Course	CR	Grade	Quarter	Year	
HCML 415 HCML 420 HCML 420 HCML 440 HCML 494/5/6/7 RAIT 310 RAIT 311 RAIT 310 RAIT 315 RAIT 315 RAIT 316 RAIT 316 RAIT 320 RAIT 320 RAIT 320 RAIT 322 RAIT 325 RAIT 326 RAIT 328 RAIT 328 RAIT 328 RAIT 328 RAIT 328 RAIT 329 RAIT 328 RAIT 358 RAIT 358 RAIT 358 RAIT 359 RAIT 361 RAIT 360 RAIT 361 RAIT 360 RAIT 361 RAIT 361 RAIT 361 RAIT 361 RAIT 361 RAIT 360 RAIT 361 RAIT 360 RAIT 361 RAIT 361 RAIT 361 RAIT 361 RAIT 361 RAIT 360 RAIT 361 RAIT 361 RAIT 361 RAIT 361 RAIT 361 RAIT 361 RAIT 361 RAIT 461 RAIT 4	Operations Management in Healthcare (5 Cr) Global Healthcare (5 Cr) Business Planning for Healthcare (5 Cr) Special Topics (1-5 Cr) CT Instrumentation & Procedures (3 Cr) Clinical Practicum – CT (12 Cr) Biology of Cancer (5 Cr) CT Lab (1 Cr) MRI Instrumentation & Procedures (3 Cr) Clinical Practicum – MRI (12 Cr) MRI Lab (1 Cr) Interventional Procedures (3 Cr) Vascular Interventional Clinical (12 Cr) VIR Lab (1 Cr) Interventional Procedures (3 Cr) Vascular Interventional Clinical (12 Cr) Wammography (5 Cr) Sonographic Physics for non-Sonographers (5 Cr) Breast Ultrasound Equipment (2 Cr) Breast Ultrasound (5 Cr) Clinical Practicum - Mammography (5 Cr) Clinical Practicum in Breast Ultrasound (12 Cr) Principles of Nuclear Medicine Physics (3 Cr) Basics of Positron Emission Tomography (3 Cr) Advanced Positron Emission Tomography (3 Cr) Clinical Practicum – PET (12 Cr) Independent Studies (1-5 Cr) Advanced CT Procedures (3 Cr) Clinical Practicum II – CT (1-11 Cr) Advanced MRI Procedures (3 Cr) Clinical Practicum II – MRI (1-11 Cr) Clinical Practicum II – Interventional (1-11 Cr) Musculoskeletal Ultrasound - Lower Extremity (3) Musculoskeletal Ultrasound - Upper Extremity (3) Clinical Practicum II – PET (9 Cr)								
GRAND TOTA	RAIT 494/5/6/7 Special Topics (1-5 Cr)								

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 industry professionals to maintain currency.

The 180-credit technology concentrations are comprised of 50 credits earned through achievement of national certification in the students' professional field; 40 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 lifelong learning

#### **PROGRAM ELIGIBILITY**

### Individuals must have:

- National certification in radiologic technology, radiation therapy, or 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 and II
  - College Level Math: MATH 130 Statistics or BA 240 Statistical Analysis
  - English composition course and Technical Writing or Research Paper course
- Co-requisite requirement: must be completed no later than the first two quarters of acceptance:
  - Introduction to Business course
  - Humanities course from AAS-DTA transfer list
  - Social sciences course from AAS-DTA transfer list
  - Either Humanities or Social Science must be a communication course



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**NOTES** 

#### **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 \$50
- Official transcripts from a regionally accredited college
- Proof of national certification in one of the four identified fields
- Two letters of recommendation, on company letterhead, from someone who personally knows your work, such as your current or past supervisor, discussing your contributions to your work place and how they believe you will benefit from completion of the BAS program. If you are applying for this program immediately after completing an associate degree program, the letters of recommendation must be from your instructors on college letterhead.
- Personal statement (no more than 500 words) discussing:
  - your education and work experience;
  - advanced certifications or other educational attainments you already posses;
  - your personal and professional goals;
  - any specific or unique attributes that you will bring to the program;
- any challenges or hardships you have overcome in pursuing your educational or work goals;

any other special considerations that you believe will 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/imaging