

<b>STUDENT NAME</b>		<b>SID #</b>	
<b>PROGRAM CHAIR</b>		<b>DATE</b>	

PROGRAM REQUIREMENTS			Requested Substitution/Transfer Credits (if applicable)			Completed		
Course	Course Title	CR	College/University	Course	CR	Grade	Quarter	Year

**PREREQUISITE REQUIREMENTS**

ARRT Certification/National Certification in Radiation Therapy		65						
BIOL& 241	Human Anatomy and Physiology I	5						
BIOL& 242	Human Anatomy and Physiology II	5						
ENGL& 101	English Composition I	5						
MATH& 141	Precalculus I	5						
RADON 127	Sectional Anatomy	2						
Humanities	From AAS-DTA transfer list	5						
Social Science	From AAS-DTA transfer list	5						

**MEDICAL DOSIMETRY REQUIREMENTS**

CMST 330	Intercultural Health Communication	5						
ENGL 201	The Research Paper	5						
DOSM 301	Current Topics in Medical Dosimetry	3						
DOSM 315	Physics for Medical Dosimetry I	5						
DOSM 321	Radiation Treatment Planning I	5						
DOSM 322	Radiation Treatment Planning II	5						
DOSM 331	Dosimetry of Particle Beam Therapy	3						
DOSM 400	Treatment Planning System Lab	2						
DOSM 401	Clinical Education I	8						
DOSM 402	Clinical Education II	8						
DOSM 403	Clinical Education III	8						
DOSM 404	Clinical Education IV	8						
DOSM 405	Clinical Education V	8						
DOSM 406	Clinical Education VI	5						
DOSM 442	Brachytherapy for Medical Dosimetrists	4						
DOSM 443	Quality Assurance for Medical Dosimetry	3						
DOSM 475	Concept Integration Case Studies	3						
PHIL 365	Biomedical Ethics: Theory and Practice	5						
RAIM	BAS Approved Elective	5						
RAIT 312/BIOL 312	Biology of Cancer	5						
<b>GRAND TOTAL</b>		<b>200</b>						

The BAS concentration in Medical Dosimetry is designed for radiation therapists who want to specialize in the planning of optimal radiation treatment techniques and dose calculations in collaboration with the medical physicist and radiation oncologist.

**LEARNING OUTCOMES**

**Degree recipients should possess the following skills and abilities:**

- Demonstrate a clear understanding of medical dosimetry in its support of radiation oncology
- Design treatment plans for three-dimension conformal radiotherapy
- Design treatment plans for intensity modulated radiation therapy
- Design treatment plans for brachytherapy treatments
- Perform hand calculations to verify plan accuracy

- Effectively communicate with an interdisciplinary radiation oncology team
- Demonstrate an understanding of leadership, ethical and economic issues as they pertain to medical dosimetry

### PROGRAM ELIGIBILITY

#### Individuals must have:

- National certification in ARRT (RTT)
- Demonstrated completion from a regionally accredited college of the following courses, or their equivalent, with a grade point average of 2.5 or better:
  - Precalculus (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

A complete description of the required curriculum for each concentration is shown in the worksheet. In addition to eligibility requirements, students must achieve the following:

- Completion of 103 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 bachelor of applied science application form and notice of right to file a discrimination complaint
- Nonrefundable application fee of \$125
- Official transcripts from a regionally accredited college
- Proof of national certification in radiation therapy ARRT (RRT).
- 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. For Medical Dosimetry at least one letter must be from an oncologist, medical physicist, dosimetrist, chief therapist, or program director of a radiation therapy 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/](http://www.bellevuecollege.edu/imaging/).

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

[www.bellevuecollege.edu/programs/degrees/bachelor/bas/dosm/](http://www.bellevuecollege.edu/programs/degrees/bachelor/bas/dosm/)

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