

# CERTIFICATE PROGRAM IN MEDICAL PHYSICS

## Overview

Associated with the Department of Biomedical Engineering's graduate program in Medical Physics, the University of Miami offers a Certificate Program in Medical Physics. The Certificate Program is accredited by CAMPEP (Commission on Accreditation of Medical Physics Educational Programs) and is a non-degree granting program. The objective of this two-semester program is to allow qualified individuals who are enrolled in PhD programs or have already received a PhD degree in Physics, Engineering or a related field with a physics-minor-equivalent background to transition into a career in medical physics.

## Admission Requirements

Applicants are required have obtained a bachelor's degree and either be enrolled in a PhD program or have received a PhD degree.

## Curriculum Requirements

Code	Title	Credit Hours
BME 602	Human Physiology for Engineers	3
Select one of the following courses:		3
BME 620	Medical Imaging Systems: X-ray and CT	
BME 621	Medical Imaging Systems: MRI, NMI and Ultrasound	
BME 681	Radiation Biology and Physics	3
BME 682	Radiation Therapy Physics	3
BME 683	Radiation Protection	3
BME 781	Radiation Dosimetry and Physics	3
Optional Course		0-3
BME 783	Radiation Therapy Physics Clinical Rotation	
<b>Total Credit Hours</b>		<b>18-21</b>

<sup>1</sup> Credit hours completed by students enrolled in the certificate program are not eligible for degree application.