

Executive Summary:

Vanderbilt University has an active Health Physics graduate studies program in which students may pursue a Master's or PhD degree path in a medical or environmental radiation health pathway. The environmental engineering emphasis brings the considerable expertise, experience, and resources from several faculty members of the Civil and Environmental Engineering department, and facilitates study of nuclear facilities, nuclear fuel cycle processes, radioactive waste disposal, fate and transport of radionuclides in the environment, individual and population risk assessment, and other related areas. Under this fellowship nuclear education program, four carefully chosen candidates will pursue graduate studies (Master's degrees) in the Health Physics program, with research directed in the Civil and Environmental Engineering department, to lead them to successful careers in radiological protection/health physics. Dr. Michael Stabin, director of the Health Physics program, will supervise the students in their studies and research and oversee their progress towards graduation and ultimate placement in a position in the nuclear industry. The students will fulfill the prescribed requirements for classroom hours, research efforts, and development of a thesis in an area of study related to health physics.

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