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BIOLOGY, B.S. - NUCLEAR MEDICINE TECHNOLOGY OPTION

To earn a B.S. in Biology with the Nuclear Medicine Technology Option, students must complete three years of study at Millersville, then apply for admission to Lancaster Institute for Health Education for one year's training at a regional hospital. After completing the degree, students are prepared to take a national examination which, if passed, grants board certification in nuclear medicine technology.

Affiliated Faculty:

Bakel, Joanne; Clinical Coordinator-Radiologic Science Program Penn State University

Baranowski, Jarrod; Clinical Supervisor B.S., Millersville University, 2000; CNMT, 2000; Lancaster General Hospital Noninvasive Cardiology

Crincoli, Jonathan; CNMT, NMTCB(CT), PET Fern Hill Medical Campus

Dreach, Heath Tanner; PharmD Cardinal Health

Glenn, Jaime; Clinical Supervisor, Meritus Medical Center/Diagnostic Imaging Services

A.S., Hagerstown Community College; ARRT(R), 2003; Pennsylvania College of Health Sciences, CNMT, 2004

Greth, Madeline; Program Director, Nuclear Medicine Program, Pennsylvania College of Health Sciences B.S., Millersville University, 2012; CNMT, 2012, RT(CT), 2015, PET, 2018, NCT, 2020

Grove Shaffer, Jennifer; Clinical Instructor-Nuclear Medicine, Hershey Medical Center

B.S., York College of Pennsylvania/Lancaster Institute of Health Education, CNMT, 1998

Hansell, Amanda; Clinical Supervisor, WellSpan Good Samaritan Hospital B.S., Pennsylvania College of Health Sciences; CNMT, 2010

Havanas, Olga; Clinical Supervisor, Wellspan York Hospital B.A., York College/Lancaster General College of Health Sciences, 2018; CNMT, 2018

Hoffert, Kathleen, CNMT, RT(N) B.S.,Cedar Crest College; ARRT(N), 1986; CNMT, 1986

Ingstad, Scott, PharmD, BCNP, Pharmacy Manager Cardinal Health

Kelkis, David; Program Director, Nuclear Medicine Technology, The Johns Hopkins Hospital Schools of Medical Imaging BS, CNMT, NMTCB(CT), RT(N)(CT), B.S. University of Scranton, 2022, Hopkins' Schools of Medical Imaging, 2015,

Lazarus, Monica, CNMT, RT(N), Network Manager, Nuclear Medicine St. Luke's University Health Network

Mancini, Paula; Adjunct Faculty, Nuclear Medicine Technology Program, Pennsylvania College of Health Sciences

B.S., Millersville University; M.H.A., The Pennsylvania State University, 2002; ARRT(N), 1987; CNMT, 1987.

Meley, Jessica; Clinical Supervisor, Hershey Medical Center B.S., Millersville University/Lancaster General College of Health Sciences, 2004; CNMT, 2004,

Miles, Constance E.; Clinical Supervisor, Penn Medicine/Lancaster General Hospital

B.S., Millersville University, 1994; CNMT, 1994.

Poulton, Bethany; Clinical Supervisor, Penn Medicine Chester County Hospital

B.S., Thomas Jefferson University, 2004; CNMT, 2004,

Satre, Susan; Clinical Supervisor, St. Luke's Health Network B.S., Lyndon University, 1984; CNMT, 1995, RT(N), 1995, PET, 2004,

Shaffer, Jennifer; Clinical Instructor-Nuclear Medicine, WellSpan York Hospital

B.S., York College of Pennsylvania/Lancaster Institute of Health Education, CNMT, 1998;

Villanti, Alison; CNMT, RT (N) (CT), MHA Fern Hill Medical Campus

Major in Biology, BS

Total Hours

Code	Title	Hours
CORE COURSES	(C- or higher required)	16
Foundations of	of Biology - See Appendix 1	
BIOL 211	Concepts of Zoology	
BIOL 362	Cell and Developmental Biology	
BIOL 364	Foundations of Genetics & Molecular Biology	
Option in Nuclea	r Medical Technology - See separate block	
Total Hours		16

Appendix 1. Foundations of Biology

Code	Title	Hours		
Foundations of Biology C- or Higher 4				
BIOL 101	Foundations of Biology			

Concentration in Nuclear Medical Technology

	3,				
Code	Title	Hours			
REQUIRED NUCLEAR MEDICAL TECH COURSES					
BIOL 257	Introduction to Allied Health Professions				
BIOL 356	Functional Human Anatomy				
BIOL 375	Biometry				
ELECTIVES FOR NUCLEAR MEDICAL TECH (NOT REQUIRED)					
CLINICAL LAB SCIENCE EDUCATION					
Upon completion of one year at the Lancaster General Hospital College of Nursing and Allied Health 28 credits will be applied here.					

Req Related for Biology, BS

Code	Title	Hours		
	rs the G2 block of the Liberal Arts Core will be equired related coursework.			
CHEMISTRY				
A C- or higher in	CHEM 111 and 112 is a pre-requisite for CHEM 235 CHEM 231 is a pre-requisite for CHEM 232. Studen duate or professional school should take CHEM 23	ts		
CHEM 111	Introductory Chemistry 1	4		
CHEM 112	Introductory Chemistry 2	4		
Organic Chemist	ry - Choose 1 of the following options 1-2:	4-8		
Option 1. Orga	nic Chemistry I and II			
CHEM 231	Organic Chemistry 1			
CHEM 232	Organic Chemistry 2			
Option 2. Shor	rt Course in Organic Chemistry			
CHEM 235	Organic Chemistry			
CHEM 326	Biochemistry 1	4		
MATHEMATICS I	FOR MEDICAL TECH OR NUCLEAR MED			
Some clinical sites require a course in statistics such as MATH 130, MATH 235, or BIOL 375. Students interested in graduate or professional school should take MATH 161.				
Precalculus, Calculus I or Honors Calculus - Choose 1 of the following:				
MATH 160	Precalculus			
MATH 161	Calculus 1			
MATH 163H	Honors Calculus 1			
PHYSICS				
undefined - Choo	se 1 of the following options 1-2:	8-10		
Option 1. Phys	sics with Algebra			
PHYS 131	Physics 1 with Algebra			
PHYS 132	Physics 2 with Algebra			
Option 2. Phys	sics with Calculus			
PHYS 231	Physics 1 with Calculus			
PHYS 232	Physics 2 with Calculus			
Total Hours		28-35		