

# BIOLOGY, B.S. - NUCLEAR MEDICINE TECHNOLOGY OPTION

## Major in Biology, BS

Code	Title	Hours
CORE COURSES (C- or higher required)		16
Foundations 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 Nuclear Medical Technology - See separate block		
<b>Total Hours</b>		<b>16</b>

## 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

Code	Title	Hours
REQUIRED NUCLEAR MEDICAL TECH COURSES		9
BIOL 257	Introduction to Allied Health Professions	
BIOL 356	Functional Human Anatomy	
BIOL 375	Biometry	
ELECTIVES FOR NUCLEAR MEDICAL TECH (NOT REQUIRED)		0
CLINICAL LAB SCIENCE EDUCATION		28
Upon completion of one year at the Lancaster General Hospital College of Nursing and Allied Health 28 credits will be applied here.		
<b>Total Hours</b>		<b>37</b>

## Req Related for Biology, BS

Code	Title	Hours
For Biology Majors the G2 block of the Liberal Arts Core will be fulfilled by your required related coursework.		

### CHEMISTRY

A C- or higher in CHEM 111 and 112 is a pre-requisite for CHEM 235.  
A C- or higher in CHEM 231 is a pre-requisite for CHEM 232. Students interested in graduate or professional school should take CHEM 231 and 232.

CHEM 111	Introductory Chemistry 1	4
CHEM 112	Introductory Chemistry 2	4
Organic Chemistry - Choose 1 of the following options 1-2:		4-8
Option 1. Organic Chemistry I and II		
CHEM 231	Organic Chemistry 1	
CHEM 232	Organic Chemistry 2	
Option 2. Short Course in Organic Chemistry		
CHEM 235	Organic Chemistry	
CHEM 326	Biochemistry 1	4

### MATHEMATICS 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: 4-5

MATH 160	Precalculus
MATH 161	Calculus 1
MATH 163H	Honors Calculus 1

### PHYSICS

undefined - Choose 1 of the following options 1-2: 8-10

Option 1. Physics with Algebra	
PHYS 131	Physics 1 with Algebra
PHYS 132	Physics 2 with Algebra
Option 2. Physics with Calculus	
PHYS 231	Physics 1 with Calculus
PHYS 232	Physics 2 with Calculus

**Total Hours** 28-35