

MILLERSVILLE UNIVERSITY

Student Name: _____ Student I.D.# _____

DEGREE: BS	MAJOR REQUIREMENTS FOR A BS DEGREE IN
MAJOR: BIOL	BIOLOGY: NUCLEAR MEDICINE TECHNOLOGY
OPTION: NUCM	Total credit hours required: 120.0 minimum

REQUIREMENTS AND POLICIES FOR THE BS BIOLOGY MAJOR

A. Policies for Admission to the Major

1. New students (freshmen and transfers) must be admitted to the Biology major by the Office of Admissions upon admission to the University.
2. Admission of Millersville University students to the Biology major (from other departments or undeclared status) requires that the student is in satisfactory academic standing as described in the Undergraduate Catalog. Students who were dropped from a Biology major also must satisfy the Biology Retention in the Major criteria before being readmitted to a Biology major.
3. Non-degree and continuing education students must be admitted to the Biology major by the Office of Admissions.

B. Policies for Retention in the Major

1. University requirements for retention must be met.
2. All Biology majors must earn grades of C- (C minus) or higher in all core courses (BIOL 101, 211, 362, 364) required for their option.
3. The requirements stated above must be satisfied before completion of 90 Millersville University credit hours.
4. Millersville University students changing majors, or Biology majors changing options within the Biology major, must satisfy the above requirements prior to completion of 45 additional Millersville University credit hours. Note: Students who desire to change their major to Biology must refer to the Biology department's Admission to the Major Policy. Those transferring into the major may substitute BIOL 100 for BIOL 101 if they earn a grade of B- (B minus) or higher in this course.
5. Transfer students with 60 credit hours or more must satisfy the above requirements prior to completion of 45 Millersville University credit hours. Transfer students with fewer than 60 credits should refer to the policy for all other majors (part #3 above).
6. Any students failing to meet the above requirements will be dropped from the Biology major. Students who wish to re-enter the major, must follow the requirements stipulated in part 4 above.

C. Policies for Completion of the Major

1. Completion of all University curricular requirements.
2. ENGL 312, Technical Writing, is the recommended course for the Upper Level Writing Requirement under the General Education Curriculum Requirements.

D. Admission to the clinical program is competitive and is not guaranteed.

Note to the student: *This form is provided as a guide. It is your responsibility to consult regularly with your advisor to be aware of changes and curriculum details which are not incorporated on this form.*

MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS BIOLOGY**

Option: **NUCLEAR MEDICINE TECHNOLOGY**

Major Field Requirements: **53.0 credits**

Other Requirements: **28.0 - 31.0 credits**

When applicable, up to six of the **REQUIRED RELATED** courses may be credited toward the Liberal Arts Core subject to normal distribution rules.

Course No.	Short Title	C.H.	Grade	Course No.	Short Title	C.H.	Grade
REQUIRED BIOLOGY COURSES (16.0 credits)				REQUIRED RELATED (28.0 - 31.0 credits)			
BIOL 101	Foundations of Biology	4.0	_____	Chemistry (16.0 credits)			
BIOL 211	Concepts of Zoology	4.0	_____	CHEM 111*	Introductory Chemistry I	4.0	_____
BIOL 362	Cell & Development	4.0	_____	CHEM 112*	Introductory Chemistry II	4.0	_____
BIOL 364	Genetics & Molecular Biology	4.0	_____	CHEM 235	Short Course Organic Chemistry	4.0	_____
REQUIRED NUC. MED. COURSES (9.0 credits)				CHEM 326	Biochemistry I	4.0	_____
BIOL 257	Intro Allied Health Professions	1.0	_____	Note: CHEM 231* and CHEM 232 (total 8.0 credits) may substitute for CHEM 235.			
BIOL 356	Functional Human Anatomy	5.0	_____	* Must earn a C- or better in these CHEM courses before completing CHEM 235 or 232.			
BIOL 375	Biometry	3.0	_____	Note: Those wishing to complete a Chemistry minor must complete CHEM 265 (Quantitative Analysis) in addition to those CHEM courses listed.			
NUCLEAR MED CLINICAL EDUCATION (28.0 credits)				Note: Students who are considering going to graduate school or attending medical, dental, veterinary school or wanting to enroll in school to become a pharmacist, physical therapist, or physician assistant after completing their clinical training SHOULD ALSO TAKE CHEM 231 and 232.			
Upon completion of a one year program at an affiliated clinical site, 28.0 credit hours will be credited toward the B.S. degree in Biology with the Nuclear Medicine Technology option.				Mathematics (4.0 - 5.0 credits)			
Nuclear Medicine Clinical courses 28.0 credits <input type="checkbox"/>				MATH 160	Precalculus	4.0	_____
				--OR--			
				MATH 161	Calculus I	4.0	_____
				--OR--			
				MATH 163	Honors Calculus	5.0	_____
				Note: Students who are considering going to graduate school or professional school after their clinical program SHOULD TAKE MATH 161.			
				Physics (8.0 - 10.0 credits)			
				PHYS 131	Physics I with Algebra	4.0	_____
				PHYS 132	Physics II with Algebra	4.0	_____
				--OR--			
				PHYS 231	Physics I with Calculus	5.0	_____
				PHYS 232	Physics II with Calculus	5.0	_____
				General Electives (as necessary)			
				_____	_____	_____	_____
				_____	_____	_____	_____
				_____	_____	_____	_____