MILLERSVILLE UNIVERSITY

Studen	nt Name:	Student I.D.#									
DEGREE:	BS	MAJOR REQUIREMENTS FOR A BS DEGREE IN									
MAJOR:	BIOL	BIOLOGY: RESPIRATORY THERAPY									
OPTION:	RESP	Total credit hours required: 120.0 minimum									
	REQU	IREMENTS AND POLICIES FOR THE BS BIOLOGY MAJOR									
A. Policies for Admission to the Major											
1. Ne up 2. Ad sta Ca Ma	ew students (fr oon admission f dmission of Mil atus) requires t atalog. Studen ajor criteria bef	reshmen and transfers) must be admitted to the Biology major by the Office of Admissions to the University. Iersville University students to the biology major (from other departments or undeclared that the student is in satisfactory academic standing as described in the Undergraduate its who were dropped from a Biology major also must satisfy the Biology Retention in the fore being readmitted to a Biology major.									
	-	continuing education students must be admitted to the Biology major by the Office of Admissions.									
1. Un 2. Ad Bio and 131 also 3. BS inte con und Stu pro pro pro re-a sea ma 4. Th 5. Miil sati Not ear 6. Tra Miill ma	niversity required dmission to the ology majors in d required-rela 1 or 231), a sa io maintain an S Biology Resp erview with the mmittee will as derstanding of udents who sco ogram even if so ofessional phas application the ats are availab ath/science GP, he requirement illersville Univer- tisfy the above te: Students w rn a grade of B ansfer student: llersville Univer- ajors (part 4 ab	on in the Major ements for retention must be met. professional phase of the Respiratory Therapy program is competitive and not guaranteed. the Respiratory Therapy option must earn grades of C- (C minus) or higher in all required Biology ted courses (BIOL 101, 254, 255, 362, 461; CHEM 111, 112, 235, 326; MATH 161 or 163; PHYS tisfactory (S) grade in BIOL 257, and have a minimum GPA of 2.3 in these courses. Students must overall GPA of 2.0. Diratory Therapy students who meet the minimum math/science GPA of 2.3 can schedule an e admission committee for the professional phase of the Respiratory Therapy program. The sess students on her/his academic performance, letters of recommendation, communication skills, the profession, maturity, and potential to succeed in the professional phase of the program. ore poorly during her/his interview may be denied admission to the professional phase of the she/he has met the minimum math/science GPA requirement. Students denied admission into the se of the program will be advised on how he/she can strengthen her/his credentials for f following year or how she/he can complete the degree requirements for an alternative program. If le in the professional phase of the program, students who have not met the minimum A may be interviewed and, if accepted, will be admitted on a probationary basis. Is stated above must be satisfied before completion of 90 Millersville University credit hours. ersity students changing majors, or Biology majors changing options within the Biology major, must requirements prior to completion of 45 additional Millersville University credit hours. the desire to change their major to Biology may substitute BIOL 100 for BIOL 101 if they 8- (B minus) or higher in this course. Is with 60 credit hours or more must satisfy the above requirements prior to completion of 45 risity credit hours. Transfer students with fewer than 60 credits should refer to the policy for all other ove). Ing to meet the above requirements will be dropped from the B									
	•	or, must follow the requirements stipulated in part 5 above.									
	•	etion of the Major									
1. Co 2. EN Ge	ompletion of all NGL 319, Scier eneral Educatio	I University curricular requirements. nce Writing, is the recommended course for the Upper Level Writing Requirement under the on Curriculum Requirements. rofessional phase is competitive and is not guaranteed (see part B above).									
		form is provided as a guide. It is your responsibility to consult regularly with your advisor to curriculum details which are not incorporated on this form.									

MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: BS BIOLOGY

Option: RESPIRATORY THERAPY									
Major Field Requirements: 53.0 credits									
Other Requirements: 24.0-26.0 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 N	0.	Short Title	C.H.	Grade	Course No).	Short Title	C.H.	Grade	
REQUIRED BIOLOGY COURSES (12.0 credits)						REQUIRED RELATED (24.0-26.0 credits)				
BIOL	101	Foundations of Biology	4.0						-,	
BIOL	362	Cell & Development	4.0		Chemis	try (16.0 credits)			
BIOL	364	Genetics & Molecular Biology	/ 4.0		CHEM	111*	Introductory Chemistry I	4.0		
REQUI	RED	RESP THER COURSES (12.0	credits)			Introductory Chemistry II	4.0		
BIOL		Human Anatomy & Phys I	4.0	,			Short Course Organic Chem			
BIOL	255	Human Anatomy & Phys II	4.0		CHEM	326	Biochemistry I	4.0		
BIOL	257	Intro Allied Health Profession		<u> </u>	Note: C	HEM	231* and CHEM 232 (total 8	.0 credit	s) may	
BIOL	461	General Microbiology	3.0				CHEM 235.		, .	
				*Must earn a C- or better in these CHEM courses before						
			20.0	complet	completing CHEM 235 or CHEM 232.					
		PROFESSIONAL PHASE I (Note: Th	Note: Those wishing to complete a Chemistry minor must					
		etion of 32.0 credit hours of cli 32.0 credit hours will be credit		rd the			IEM 265 (Quantitative Analys			
		in Biology with the Respiratory					stry courses listed above.	,		
	-		-	y option.	Note: St	uder	its who are considering going	to arad	uate	
		Acute Cardiopulmonary Care								
RESP		Respiratory Care Techniques			school or attending medical, dental, veterinary school or wanting to enroll in school to become a pharmacist, physi-					
RESP		Prin. Aerosol & Gas Therapy					or physician assistant after of			
RESP RESP		Respiratory Assess & Therap Respiratory Care Techniques					phase SHOULD TAKE CHEI			
RESP		Respiratory Care in Alt Sites	2.0							
RESP		Arterial Blood Gas Analysis	3.0				s (4.0 - 5.0 credits)			
RESP		Physio Mechanical Ventilatio			MATH	161	Calculus I	4.0		
RESP		Pharmacology	2.0			162	or Honors Calculus	5.0		
RESP		Infectious Diseases	2.0			105	Honors Calculus	5.0		
RESP		Noninfectious Diseases	2.0		Bhysics		E () aradita)			
RESP		0, 1 1	oist 2.0		-	•	-5.0 credits)			
RESP	460	Clinical Practice I	1.0		PHYS	131	Physics I with Algebra	4.0		
RESP	461	Clinical Practicum I	2.0		DUNO	004	or	5.0		
After co	omple	tion of the Phase I courseworl	k, the stu	ident	PHYS		Physics I with Calculus	5.0		
		e with a B.S. degree in Biolog					ents who might be interested		•	
Therapy; however, the graduate must complete the Phase						graduate school or professional school after completing				
		k in order to be employed and	certified	as a			sional phase SHOULD ALSO) TAKE F	PHYS	
respira	tory th	nerapist.		132 0	R PF	IYS 232.				
					Suaaes	ted A	Additional Course (no minii	num)		
RESP THER PROFESSIONAL PHASE II (22.0 credits)							General Psychology	3.0		
		e completion of 22.0 credit hou			1310	100	General Psychology	5.0		
Il coursework, the student will receive a Respiratory					Note: S	tudei	nts who are considering goin	g to grad	luate	
Therapy certificate, which will permit them to seek					school or attending medical, dental, veterinary school or					
employment as a respiratory therapist and qualifies them					wanting to enroll in school to become a pharmacist, physi-					
to take the certification exam.						cal therapist, or physician assistant after completing their				
RESP		Tech Aspects Mech Ventilation			professional phase SHOULD ALSO consider taking					
RESP		Respiratory Care Techniques		General Psychology (PSYC 100), which can be used						
RESP		Clinical Practice II	1.0	toward	ine G	63 general education require	nent.			
RESP 463 Clinical Practicum II 3.0						General Electives (as necessary)				
RESP		Clinical Practicum III	10.0							
RESP	495	Respiratory Care Research	2.0	<u> </u>						