

## MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS BIOLOGY**

Option: **Pre-Athletic Training**

Major Field Requirements: **83.0 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	Q.P.	Course No.	Short Title	C.H.	Grade	Q.P.
<b>REQUIRED BIOLOGY COURSES (12.0 credits)</b>					<b>Required Related (31.0-34.0 credits)</b>				
BIOL 101	Foundations of BIOL	4.0	_____	_____	<b>Chemistry (16.0 credits)</b>				
BIOL 211	Concepts of Zoology	4.0	_____	_____	CHEM 111	Intro to Chem I	4.0	_____	_____
BIOL 362	Cell & Development	4.0	_____	_____	CHEM 112	Intro to Chem II	4.0	_____	_____
<b>REQUIRED PATHL COURSES (14 credits)</b>					CHEM 235	Organic Chem	4.0	_____	_____
BIOL 254	A&P I	4.0	_____	_____	CHEM 326	Biochemistry	4.0	_____	_____
BIOL 255	A&P II	4.0	_____	_____	NOTE: Those wishing to complete a Chemistry minor must complete CHEM 265 (Quantitative Analysis) in addition to those Chemistry courses listed above.				
BIOL 352	Nutritional Science	3.0	_____	_____	<b>Mathematics (4.0-5.0 credits)</b>				
BIOL 375	Biometry	3.0	_____	_____	Choose one of the following:				
<b>CLINICAL EDUCATION</b>					MATH 161	Calculus	4.0	_____	_____
<b>Millersville University</b>					MATH 163	Hnrs. Calculus	5.0	_____	_____
<b>Wellness and Sport Sciences Courses (19 credits)</b>					<b>Physics (8.0-10.0 credits)</b>				
WELL 175	Wellness	3.0	_____	_____	PHYS 131	Physics I w/ Algebra	4.0	_____	_____
WSSD 311	First Aid & CPR	3.0	_____	_____	PHYS 132	Physics II w/ Algebra	4.0	_____	_____
WSSD 390	Ath. Trng. Techn. Anat.	4.0	_____	_____	or				
WSSD 450	Kinesiology	3.0	_____	_____	PHYS 231	Phys I w/ Calculus	5.0	_____	_____
WSSD 485	Mental Training Sport	3.0	_____	_____	PHYS 232	Phys II w/ Calculus	5.0	_____	_____
WSSD 591	Exercise Physiology	3.0	_____	_____	<b>Psychology Course (3.0 credits)</b>				
<b>West Chester University Courses (15 credits)</b>					PSYC 100	General Psychology	3.0	_____	_____
SMD 310	Thera Mod in AT w/Lab	4.0	_____	_____					
SMD 311	Thera Ex in At w/Lab	5.0	_____	_____					
SMD 312	Path/Eval Athl Inj II	3.0	_____	_____					
SMD 313	Path/Eval Athl Inj III	3.0	_____	_____					
<b>WCU Video Conferencing Courses (23.0 credits)</b>									
SMD 100	Found of Sport Med	2.0	_____	_____					
SMD 212	Path/Ev Athl Inj I	3.0	_____	_____					
SMD 315	Athl Inj Mgmt I	3.0	_____	_____					
SMD 316	Athl Inj Mgmt II	3.0	_____	_____					
SMD 414	Hist, Org, Admin of AT	3.0	_____	_____					
SMD 417	Ath Inj Mgmt III	3.0	_____	_____					
SMD 418	Ath Inj Mgmt IV	3.0	_____	_____					
SMD 454	Ther/Prac Cond	3.0	_____	_____					

## MAJOR SEQUENCE AND DEGREE REQUIREMENTS

Major: **BS Allied Health Technology**  
 Option: **Pre-Athletic Training**  
 Major Field Requirements: **86.0 credits**  
 Other Requirements: **30.0 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	Q.P.	Course No.	Short Title	C.H.	Grade	Q.P.
<b>REQUIRED BIOLOGY COURSES (28.0 credits)</b>					<b>Required Related (30.0 credits)</b>				
BIOL 100	General Biology	3.0	_____	_____	<b>Chemistry (16.0 credits)</b>				
BIOL 254	Human Ana &Phys I	4.0	_____	_____	CHEM 111	Intro to Chem I	4.0	_____	_____
BIOL 255	Human Ana &Phys II	4.0	_____	_____	CHEM 112	Intro to Chem II	4.0	_____	_____
BIOL 257	Intro to Allied Health	1.0	_____	_____	CHEM 235	Organic Chem	4.0	_____	_____
BIOL 362	Cell & Development	4.0	_____	_____	CHEM 326	Biochemistry	4.0	_____	_____
BIOL 352	Nutritional Science	3.0	_____	_____	NOTE: CHEM 231 & 232 (total of 8 credits) may substitute for CHEM 235.				
BIOL 364	Genetics & Mol Bio	4.0	_____	_____	Students who are enrolled in the BS ALHT degree program and 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 TAKE CHEM 231 & 232.				
BIOL 454	Immunology	2.0	_____	_____	<b>Mathematics (7.0 credits)</b>				
BIOL 461	General Microbiology	3.0	_____	_____	MATH 130	Statistics	3.0	_____	_____
<b>BIOLOGY ELECTIVES (1.0 credit)</b>					MATH 160	Pre-Calculus	4.0	_____	_____
In consultation with your adviser, choose a minimum of one course approved for credit for BIOL majors at the 200 level or above to bring total biology courses to 29.0 credits.					NOTE: Students who might be interested in attending graduate school or professional schools SHOULD ALSO TAKE MATH 161.				
BIOL _____	_____	_____	_____	_____	<b>Physics (4.0 credits)</b>				
BIOL _____	_____	_____	_____	_____	PHYS 131	Physics I w/ Algebra	4.0	_____	_____
<b>Millersville University</b>					NOTE: Students who might be interested in attending graduate school or professional schools SHOULD ALSO TAKE PHYS 132.				
<b>Wellness and Sport Sciences (WSSD) Courses (19 cred)</b>					<b>Psychology Courses (3.0 credits)</b>				
WELL 175	Wellness	3.0	_____	_____	PSYC 100	General Psychology	3.0	_____	_____
WSSD 311	First Aid & CPR	3.0	_____	_____	NOTE: This course will count towards the G3 general education requirement.				
WSSD 390	Ath. Trng. Techn. Anat.	4.0	_____	_____					
WSSD 450	Kinesiology	3.0	_____	_____					
WSSD 485	Mental Training in Sport	3.0	_____	_____					
WSSD 591	Exercise Physiology	3.0	_____	_____					
<b>West Chester University Courses (15 credits)</b>									
SMD 310	Thera Mod in AT w/Lab	4.0	_____	_____					
SMD 311	Thera Ex in At w/Lab	5.0	_____	_____					
SMD 312	Path/Eval Athl Inj II	3.0	_____	_____					
SMD 313	Path/Eval Athl Inj III	3.0	_____	_____					
<b>WCU Video Conferencing Courses (23 credits)</b>									
SMD 100	Found of Sport Med	2.0	_____	_____					
SMD 212	Path/Ev Athl Inj I	3.0	_____	_____					
SMD 315	Athl Inj Mgmt I	3.0	_____	_____					
SMD 316	Athl Inj Mgmt II	3.0	_____	_____					
SMD 414	Hist, Org, Admin of AT	3.0	_____	_____					
SMD 417	Ath Inj Mgmt III	3.0	_____	_____					
SMD 418	Ath Inj Mgmt IV	3.0	_____	_____					
SMD 454	Ther/Prac Cond	3.0	_____	_____					