

Millersville University / West Chester University Dual Degree Program

1. *BACHELOR of SCIENCE IN **BIOLOGY**/PRE-ATHLETIC TRAINING:* MU DEPARTMENT OF BIOLOGY
2. *BACHELOR of SCIENCE IN ATHLETIC TRAINING:* WCU DEPARTMENT OF SPORTS MEDICINE
3. *CLINICAL EDUCATION: MU DEPARTMENT OF WELLNESS & SPORT SCIENCES and MU DEPT. OF INTERCOLLEGIATE ATHLETICS*

Locale	Course	C.H.	Locale	Course	C.H.
First Semester			Second Semester		
	<i>WCU-DL SMD100 Found. Spts. Med</i>	2.0	MU BIOL 211	Zoology	4.0
MU COMM 100	Found. of Speech	3.0	MU ENGL 110	Composition	3.0
MU BIOL 101	Foundations of Bio	4.0	MU MATH 161	Calculus	4.0
MU CHEM 111	Intro to Chemistry I	<u>4.0</u>	MU CHEM 112	Intro to Chemistry II	<u>4.0</u>
Total Credits		13	Total Credits		15
First Summer					
MU BIOL 254	Human A/P 1	4.0	MU BIOL 255	Human A/P 2	4.0
<p>Note: Students may take these classes during their 3rd & 4th semester but will need to substitute two other classes as summer replacements in order to stay on track.</p>					
Third Semester			Fourth Semester		
MU WSSD 591	Exercise Physiology	3.0	MU BIOL 375	Biometry (WCU Stats)	3.0
MU WSSD 311	First Aid & CPR	3.0	MU WSSD 450	Kinesiology	3.0
MU WELL 175	Wellness (CEC)	3.0	MU BIOL 352	Nutrition Science (W)	3.0
MU PSYC 100	Gen Psych (G3, 1)	3.0	MU Social Science block (G3,2)		3.0
MU BIOL 362	Cell & Devel. (W)	<u>4.0</u>	MU Arts/Humanities block (G1, 1)		<u>3.0</u>
Total Credits		16	Total Credits		15
Second Summer					
WCU SMD 310	Thera Mod in AT	3.0	WCU SML 310	Thera Mod in AT Lab	2.0
WCU SMD 311	Thera Ex in AT	3.0	WCU SMD 311	Thera Ex in AT Lab	1.0
WCU SMD 312	Path/Eval Ath Inj II	3.0	WCU SMD 313	Path/Evl Ath Inj III	<u>3.0</u>
MU WSSD 390	AT Tech + Surf Anat	4.0			
Total Credits					19
<p>Note: these courses (except WSSD 390) must be taken on the campus of West Chester University. Additional tuition and fees will incur.</p>					

Millersville University / West Chester University Dual Degree Program

Locale	Course	C.H.	Locale	Course	C.H.
Fifth Semester			Sixth Semester		
	<i>WCU-DL SMD 315 Ath Inj Mgmt I</i>	3.0		<i>WCU-DL SMD316 Ath Inj Mgmt II</i>	3.0
MU	CHEM 235 Organic Chem	4.0		<i>WCU-DL SMD212 Path/Evl Ath Inj I</i>	3.0
MU	Perspectives (CEC)	3.0	MU	CHEM 326 Biochemistry I	4.0
MU	Social Science block (G3,3)	3.0	MU	WSSD 485 Mntl Trng in Sprt	3.0
MU	Arts/Humanities block (G1, 2, W)	<u>3.0</u>	MU	Arts/Humanities block (G1, 3, W)	<u>3.0</u>
Total Credits		16	Total Credits		16
Seventh Semester			Eighth Semester		
	<i>WCU-DL SMD414 H., O., & A. of AT</i>	3.0		<i>WCU-DL SMD418 Ath Inj Mgmt IV</i>	3.0
	<i>WCU-DL SMD417 Ath Inj Mgmt III</i>	3.0	MU	PHYS 132 Physics II w/Alg	4.0
	<i>WCU-DL SMD454 Ther/Prac Cond.</i>	3.0	MU	ENGL 312 Tech. Writing (AW)	3.0
MU	PHYS 131 Physics I w/Alg	<u>4.0</u>	MU	Gen Ed Open Elec. (CEC)	<u>3.0</u>
Total Credits		13	Total Credits		13

Note: Less Prepared Students -- A sample schedule is not provided for less prepared students. The rigorous requirements of the Pre-Athletic Training option would make it difficult for those needing remedial courses such as CHEM 110 and MATH 101 to complete all requirements within the normal time frame.

Note: Several courses in this program have prerequisites. This means students cannot take certain courses until they have completed foundation courses. Enrollment in foundation courses is often determined by student performance on a placement exam. Therefore, poor student performance on a placement exam or failing to pass a foundation course will extend the length of time necessary to complete this program.

Also note: West Chester University requires that students earn the grade of "C" or better in the following courses: SMD 212, 310, 311, 312, 313, 316, 414, 417, 418, 454; SML 310, 311; WSSD 311, 390, 450, 486, 591; and BIOL 254, 255; and maintain a minimum overall Grade Point Average of 2.5 on a 4.0 scale in order to be recommended for the BOC exam to become a Certified Athletic Trainer.

This is a suggested sequence only. See your advisor for guidance.

Millersville University / West Chester University Dual Degree Program

1. *BACHELOR of SCIENCE IN **ALLIED HEALTH TECHNOLOGY** / PRE-ATHLETIC TRAINING:* MU DEPARTMENT OF BIOLOGY
2. *BACHELOR of SCIENCE IN ATHLETIC TRAINING:* WCU DEPARTMENT OF SPORTS MEDICINE
3. *CLINICAL EDUCATION:* MU DEPARTMENT OF WELLNESS & SPORT SCIENCES and MU DEPT. OF INTERCOLLEGIATE ATHLETICS

Locale	Course	C.H.	Locale	Course	C.H.
First Semester			Second Semester		
	<i>WCU-DL SMD100 Found. Spts. Med</i>	2.0	MU WELL 175	Wellness (CEC)	3.0
MU ENGL 110	Composition	3.0	MU COMM 100	Found. of Speech	3.0
MU BIOL 257	Intro to Allied Health	1.0	MU MATH 160	Pre Calculus	4.0
MU BIOL 100	General Biology	3.0	MU CHEM 112	Intro to Chemistry II	<u>4.0</u>
MU CHEM 111	Intro to Chemistry I	<u>4.0</u>			
Total Credits		13	Total Credits		14
First Summer					
MU BIOL 254	Human A/P 1	4.0	MU BIOL 255	Human A/P 2	4.0
<p>Note: Students may take these classes during their 3rd & 4th semester but will need to substitute two other classes as summer replacements in order to stay on track.</p>					
Third Semester			Fourth Semester		
MU WSSD 591	Exercise Physiology	3.0	MU Social Science block (G3, 2)		3.0
MU WSSD 311	First Aid & CPR	3.0	MU WSSD 450	Kinesiology	3.0
MU PSYC 100	Gen Psych	3.0	MU BIOL 352	Nutrition Science (W)	3.0
MU CHEM 235	Organic Chemistry	4.0	MU BIOL 362	Cell Biology (W)	4.0
MU Social Science (G3, 1)		<u>3.0</u>	MU Arts / Humanities block (G1, 1)		<u>3.0</u>
Total Credits		16	Total Credits		16
Second Summer					
WCU SMD 310	Thera Mod in AT	3.0	WCU SML 310	Thera Mod in AT Lab	2.0
WCU SMD 311	Thera Ex in AT	3.0	WCU SMD 311	Thera Ex in AT Lab	1.0
WCU SMD 312	Path/Eval Ath Inj II	3.0	WCU SMD 313	Path/Evl Ath Inj III	<u>3.0</u>
MU WSSD 390	AT Tech + Surf Anat	4.0			
Total Credits					19
<p>Note: these courses (except for WSSD 390) must be taken on the campus of West Chester University. Additional tuition and fees will incur.</p>					

Millersville University / West Chester University Dual Degree Program

Locale	Course	C.H.	Locale	Course	C.H.
Fifth Semester			Sixth Semester		
	<i>WCU-DL SMD 315 Ath Inj Mgmt I</i>	3.0		<i>WCU-DL SMD212 Path/Evl Ath Inj I</i>	3.0
MU	Arts/Humanities block (G1, 2, W)	3.0		<i>WCU-DL SMD316 Ath Inj Mgmt II</i>	3.0
MU	MATH 130 Statistics	3.0	MU	CHEM 326 Biochemistry I	4.0
MU	Arts/Humanities block (G1, 3)	3.0	MU	WSSD 485 Mntl Trng in Sprt	3.0
MU	Gen Ed Open Elec. (CEC)	<u>3.0</u>	MU	Social Science block (G3, 3, W)	<u>3.0</u>
Total Credits		15	Total Credits		16
Seventh Semester			Eighth Semester		
	<i>WCU-DL SMD414 H., O., & A. of AT</i>	3.0		<i>WCU-DL SMD418 Ath Inj Mgmt IV</i>	3.0
	<i>WCU-DL SMD417 Ath Inj Mgmt III</i>	3.0	MU	Perspectives (CEC)	3.0
	<i>WCU-DL SMD454 Ther/Prac Cond.</i>	3.0	MU	BIOL 454 Immunology	2.0
MU	PHYS 131 Physics I w/Alg	4.0	MU	ENGL 312 Tech. Writing (AW)	3.0
MU	BIOL 461 General Microbiology	3.0	MU	BIOL 364 Genetics & Mol. Biol.	<u>4.0</u>
Total Credits		16	Total Credits		15

TOTAL CREDITS FOR DUAL DEGREE PROGRAM = 148

Note: Less Prepared Students -- A sample schedule is not provided for less prepared students. The rigorous requirements of the Pre-Athletic Training option would make it difficult for those needing remedial courses such as CHEM 110 and MATH 101 to complete all requirements within the normal time frame.

Note: Several courses in this program have prerequisites. This means students cannot take certain courses until they have completed foundation courses. Enrollment in foundation courses is often determined by student performance on a placement exam. Therefore, poor student performance on a placement exam or failing to pass a foundation course will extend the length of time necessary to complete this program.

Also note: West Chester University requires that students earn the grade of "C" or better in the following courses: SMD 212, 310, 311, 312, 313, 316, 414, 417, 418, 454; SML 310, 311; WSSD 311, 390, 450, 486, 591; and BIOL 254, 255; and maintain a minimum overall Grade Point Average of 2.5 on a 4.0 scale in order to be recommended for the BOC exam to become a Certified Athletic Trainer.

This is a suggested sequence only. See your advisor for guidance