

## Two Pre-Physical Therapy Programs

BS in Health Sciences, Pre-Physical Therapy Tract				BA in Human Biology -PrePhysical Therapy Concentration			
course #	course title	credit hrs	prerequisite courses	course #	course title	credit hrs	prerequisite courses
BIO 111*	Organismal Biology	4		BIO 111*	Organismal Biology	4	
BIO 113*	Principles of Biology	4	CHM 140 or 150	BIO 113*	Principles of Biology	4	CHM 140 or 150
BIO 167*	Anatomy & Physiology I	4		BIO 167*	Anatomy & Physiology I	4	
BIO 168*	Anatomy & Physiology II	4		BIO 168*	Anatomy & Physiology II	4	
PHS 302*	Biostatistics (= BIO 301)	4	MTH 111 + 8 crs of BIO	BIO 301*	Biostatistics	4	
OR PHS 347*	Public Health Statistics (3)		MTH 090, HCR 300	OR PSY 322*	Basic Statistics and Probability (4)		
				OR SOC 215*	General Statistics (3)		
CHM 150*	Gen Chem for Health Sciences	3		CHM 150*	Gen Chem for Health Sciences	3	
CHM 151*	Chem Lab for Health Sciences	1		CHM 151*	Chem Lab for Health Sciences	1	
CHM 252*	Biochemistry for Nursing	3	CHM 150	CHM 252*	Biochemistry for Nursing	3	CHM 150
CHM 253*	Biochemistry for Nursing Lab	1	CHM 151	CHM 253*	Biochemistry for Nursing Lab	1	CHM 151
PHY 143*	College Physics I	4	MTH 111 with C or better	PHY 143*	College Physics I	4	MTH 111 with C or better
PHY 145*	College Physics II	4	PHY 143 with C or better	PHY 145*	College Physics II	4	PHY 143 w C or better
MTH 120*	Pre-Calculus Mathematics	4		MTH 120*	Pre-Calculus Mathematics	4	MTH 111 with C or better
MTP 321*	Medical Terminology for Health Prof.	1		MTP 321*	Intro to Medical Terminology	1	
OR MTP 320*	Medical Terminology for Health Prof.			OR MTP 320*	Medical Terminology for Health Prof.		
HCR 362	Cultural Competence in Health Care	3		HCR 362	Cultural Competence in Health Care	3	ENG 112
SOC 100	Introduction to Sociology	3		SOC 100	Introduction to Sociology	3	
PSY 100*	Principles of Psychology	3		PSY 100*	Principles of Psychology (s)	3	
PSY 313*	Intro to Developmental Psychology	3	PSY 100	PSY 313*	Intro to Developmental Psychology (s)	3	PSY 100
PTP 201	Intro to Physical Therapy	1		PTP 201	Intro to Physical Therapy	1	
PTP 413*	Exercise Physiology	4		PTP 413*	Exercise Physiology	4	
PHL 162	Introduction to Ethics	3		PHL 168	Philosophy of Bioethics (h)	3	
OR PHL 168	Philosophy of Bioethics			OR PHL 101	Intro to Philosophy (h)		
ENG 345	Technical Writing	3	ENG 112	COM 225	News and Feature Writing	3	ENG 112
				OR ENG 345	Technical Writing (3)		
HCR 300	Health Care in the US	3		PHL 338	Philosophy of Health, Disease & Illness	3	PHL 168 or 101
HCR 304	Ethics of Health Care	3	PHL 162 or PHL 168	OR PHL 344	Philosophy of Medical Ethics		
CIS 128	Intro to Computer Information Systems	3		COM 210	Intro to Public Speaking (h)	3	
CSC 151	Spreadsheet Software	2		OR COM 338	Communications in Business (3)		ENG 112
PSY 309	Abnormal Psychology	3	PSY 100	BIO 326	Cell Biology	4	BIO 111 & BIO 113
POL 120	American National Gov and Politics	3		BIO 432	Mammalian Physiology (Capstone)	4	BIO 326
HCR 119	First Aid: Community CPR	2		BIO 3XX/4XX	Biology Electives	4	
OR HCR 120	Medical First Responder	4					
PHS 315	Introduction to Epidemiology	3	HCR 300; MTH 090; Jr or Sr standing	FOR 112	Second Semester of Foreign Language	4	FOR 111 or placement test; placement above FOR 112 satisfies foreign-language requirement.
PHS 420	Intro to Environmental Health	3	Jr or Sr standing		OR 3rd semester of Am. Sign Lang.		
HCR 421	Occupational Health and Safety	3					
HCR 350	Health and Aging	3	SOC 100				
OR HCR 352	Chronic Illness and Aging (3)		SOC 100				
HCR 376	Health Care Administration	3	HCR 300; Jr or Sr standing				
HCR 379	Intro to Health Ed & Health Promotion	3	at least sophomore standing				
PHS 390	Public Health Capstone	3	senior standing				
Total of 124 credits required for graduation		108	not counting MTH 111 (3) - MTH 120 prereq	Total of 120 credits required for graduation		85	not counting FOR 111 (4), MTH 111 (3)
<b>Both programs have the same basic science and math requirements.</b>							
The human biology program requires 12 upper-level biology credit hours intended to provide a deeper understanding of human anatomy and physiology.							
Both programs require foundational writing coursework. The human biology program requires 3 credit hours of communication coursework intended to enhance competency in oral communication (i.e. COM 210).							
The human biology program is a Bachelor of Arts degree program and as such requires completion of the foreign language general education requirement (i.e. 2nd semester foreign-language course or 3rd semester of American Sign Language or placement test into 3rd semester of a foreign-language course).							
The health science program requires 44 credit hours of health care/public health, social science courses - human biology majors are encouraged to take health science/public health elective courses of interest to them.							
Students from either program are encouraged to take BIO 433 (Premedical Gross Anatomy), BIO 444 (Neuroscience) and BIO 447 (Biomechanics of Sports and Exercise)							