

2008-2009 Program Advising Guide

Department of Engineering and Physics
 Math Building, Room 142
 Telephone: (254) 968-9168
<http://www.tarleton.edu/~physics/medicalphysicstrack.html>
 for

Bachelor of Science in Physics (Medical Physics/Pre-Professional)

Freshman Year					
Fall Semester		Hours	Spring Semester		Hours
ENGL 111 ^a		3	ENGL 112 ^a		3
MATH 120 ^b		4	MATH 209* (MATH 120)		4
PHYS 122* ^c (MATH 120)		4	PHYS 242* (MATH 209, PHYS122)		4
CHEM105 ^d		4	CHEM 108* ^d (CHEM 108)		4
Total		15	Total		15

Sophomore Year					
Fall Semester		Hours	Spring Semester		Hours
MATH 333* (MATH 209)		4	MATH 306* (MATH 209)		3
Visual & Performing Arts		3	PE or HLTH 101		2
BIOL 120 ^d		4	PHYS 334* (PHYS242)		3
CHEM 201* ^d (CHEM 108)		4	CHEM 202* ^d (CHEM 201)		4
			BIOL 121 ^d		4
Total		15	Total		16

Notes:

- English:** Students will be placed into English courses in accordance with the University's Placement and Continuing Enrollment Rules. Students must enroll in English during their first semester at Tarleton and every regular semester thereafter until the freshman English core curriculum requirement [i.e., ENGL 111 & 112] has been satisfied.
- Mathematics:** Students will be placed into mathematics courses in accordance with the University's Placement and Continuing Enrollment Rules. Students must enroll in mathematics during their first semester at Tarleton unless they are eligible for placement into college-level mathematics [MATH 107 or higher]. Students eligible for placement into college-level mathematics may choose to postpone initial mathematics enrollment until their second regular semester at Tarleton. Following initial mathematics enrollment, students must enroll in mathematics every regular semester thereafter until the freshman mathematics core curriculum requirement [MATH 107 or higher] has been satisfied.
- Physics:** Students whose math placement is below Math 120 (Calculus) or who don't have a strong high school algebra/trig. based physics background may want to take PHYS104 to improve their background.
- Medical School/Medical Physics Admission:** The Medical Physics Program includes all courses presently required by all Texas Medical Schools as well as those required for admission to the University of Texas Health Sciences Medical Physics program.
- Advanced Technical Elective:** Advanced courses from CS, PHYS, CHEM, BIOL, ENGR, MATH, or ENPH

Junior/Senior Year				
Fall Semester (even)	Hours		Spring Semester (odd)	Hours
PHYS 331 ^{*,d} (PHYS122, co MATH333, co MATH 306)	3		PHYS 432 (MATH 306, MATH 333, PHYS332)	3
PHYS 332 ^{*,d} (PHYS242, co MATH 333, co MATH 306)	3		Social & Behavioral	3
HIST 201	3		HIST 202	3
Communications	3		MATH 311 [*] (MATH 209)	3
MATH 232 [*] (MATH 120)	3		Advanced Technical Elective ^e	2
Total	15		Total	14

Junior/Senior Year				
Fall Semester (odd)	Hours		Spring Semester (even)	Hours
PHYS 435 [*] (MATH 334, MATH 306)	3		PHYS 437 [*] (PHYS 334)	3
PHYS 350 ^{*,d} (PHYS 242)	3		PHYS 450 ^{*,d} (PHYS 334)	3
Advanced Technical Elective ^e	3		Literature Core	3
BIOL 474 [*] (CHEM 210 and 8 hrs of Biology)	3		BIOL 475 [*] (BIOL 474)	3
POLS 201	3		POLS 202	3
Total	15		Total	15

* Courses with Prerequisites