

## 2008-2009 Program Advising Guide

Department of Engineering and Physics

Math Building, Room 142

Telephone: (254) 968-9168

<http://www.tarleton.edu/~physics/physicsteaching.html>

for

### Bachelor of Science in Physics (8-12 Physics/Math Teaching Certification)

Freshman Year					
Fall Semester		Hours	Spring Semester		Hours
ENGL 111 <sup>a</sup>		3	ENGL 112 <sup>a</sup>		3
MATH 120 <sup>b</sup>		4	MATH 209* (MATH 120)		4
PHYS 122* <sup>c</sup> (MATH 120)		4	PHYS 242* (MATH 209, PHYS122)		4
PE or HLTH 101		2	Visual & Performing Arts		3
PSY 101		3	HIST 201		3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>17</b>

Sophomore Year					
Fall Semester		Hours	Spring Semester		Hours
MATH 333* (MATH 209)		4	MATH 306* (MATH 209)		3
HIST 202		3	Sophomore Literature		3
PSY 220		3	PHYS 334* (PHYS242)		3
POLS 201		3	POLS 202		3
MATH 302* (MATH 120)		3	MATH 311* (MATH 209)		3
<b>Total</b>		<b>16</b>	<b>Total</b>		<b>15</b>

**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. PHYS104 can be used as an elective course in the degree. Elective courses must be chosen so that the final degree plan has at least 128 semester hours, at least 45 of which are advanced hours.

Junior/Senior Year				
Fall Semester (even)	Hours		Spring Semester (odd)	Hours
PHYS 331* (PHYS122, co MATH333, co MATH 306)	3		PHYS 430* (MATH 306, MATH 333)	3
PHYS 332* (PHYS242, co MATH 333, co MATH 306)	3		MATH 404	3
COMS 301	3		Physics*	3
Approved CS Elective	3		EDU 335	3
EDU 330	3		RDG 351	3
Elective	3		Adv. Physics*	3
<b>Total</b>	<b>18</b>		<b>Total</b>	<b>18</b>

Junior/Senior Year				
Fall Semester (odd)	Hours		Spring Semester (even)	Hours
PHYS 435* (MATH 334, MATH 306)	3		EDU 435	3
PHYS 333* (PHYS242, co MATH 333)	3		EDU 490	6
Adv. Physics*	3			
EDU 430	3			
ENGL 309	3			
<b>Total</b>	<b>15</b>		<b>Total</b>	<b>9</b>