

## 2008-2009 Program Advising Guide

Department of Mathematics, Physics, and Engineering

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for

### Bachelor of Hydrology† in Engineering

Freshman Year			
Fall Semester	Hours	Spring Semester	Hours
ENGL 111 <sup>a</sup>	3	ENGL 112 (ENGL 111) <sup>a</sup>	3
MATH 120 (cMATH 109, or MATH 116) <sup>b</sup>	4	COMS 101/102/301	3
PHYS 122 (cMATH 120)	4	MATH 209 (MATH 120)	4
GEOL 105	3	CHEM 105	4
<b>Total</b>	<b>14</b>	<b>Total</b>	<b>14</b>

Sophomore Year			
Fall Semester	Hours	Spring Semester	Hours
CHEM 108 (CHEM 105)	4	HIST 201	3
MATH 311 (MATH 209)	3	POLS 201	3
HYDR 211 (cPHYS 122, MATH 120)	4	ENGR 112 (ENGR 111, cPHYS 122, cMATH120)	3
ENGR 111 (MATH 118/109)	3	MATH 333 (MATH 209)	4
HYDR 110	3	HYDR 300 (PHYS 122, MATH 209)	4
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>17</b>

Junior/Senior Year			
Fall Semester (Even Year)	Hours	Spring Semester (Odd Year)	Hours
MATH 360 (MATH 209)	3	HLTH 101	2
HYDR 320 (MATH 209, CHEM 108, GEOL 105, HYDR 211)	4	CHEM 201 (CHEM 108)	4
HYDR 410 (MATH 333, HYDR 300, HYDR 310)	3	HIST 202	3
ENGR 221 (ENGR 112, PHYS 122, cMATH 209)	3	HYDR 450 (MATH 333/360, HYDR 300, HYDR 310, HYDR 320)	3
ENPH 248/225 (cPHYS 242, cMATH 209)	4	English Literature	3
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>15</b>

Science and Technology – Mathematics, Physics, and Engineering – Hydrology and Watershed Management

Junior/Senior Year				
Fall Semester (Odd Year)	Hours		Spring Semester (Even Year)	Hours
ART, FA, IT, MUSC, THEA	3		PHYS 242 (PHYS 122, MATH 209)	4
POLS 202	3		ENGR 460	3
HYDR 488 (Junior or adviser approval)	1		HYDR 420 (cMATH 311, CHEM 201, HYDR 300)	4
ENGR 222 (ENGR 112, cMATH 209)	3		HYDR 430 (POLS 202, HYDR 310, cHYDR 420)	3
ENGR 303 (cMATH 120)	3		HYDR 488 (Junior or adviser approval)	2
HYDR 310 (cMATH 311, HYDR 110, HYDR 211)	4			
<b>Total</b>	<b>17</b>		<b>Total</b>	<b>16</b>

Note: Prerequisites in (parentheses)

**Notes:**

- a. **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.
  
- b. **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.
  
- † HYDR 440-1 (Internship) can be taken in a summer semester. The degree requires 128 credit hours, with 45 advanced hours.