

Pre-Pharmacy Checklist

	Chemistry	Biology	Math	Physics	General Education Core	Additional Requirements
The University of Texas at Austin	Chem 1341/1141	Bio 1330/1130	Math 1315 (pre)	Phys 1315/1115 or Phys 1430	Eng 1310 Eng 23xx Hist 1310/1320 Posi 2310/2320 Social Science A/D/M/T 2313	<i>If you enter without a B.S. degree you may need to meet some additional course reqs</i> Global cultures
	Chem 1342/ 1142	Bio 1331/1131	Math 2417 (pre)			
	Chem 2341/2141	Bio 2400	Math 2471			
	Chem 2342/2142	Bio 2450	or Math 2321			
			Math 2328			
University of Houston	Chem 1341/1141	Bio 1330/1130	Math 1315 (pre)	Phys 1315 or Phys 1430 or 1 yr HS Phys	Eng 1310/1320 Phil 1305 or 1320 Comm 1310 Hist 1310/1320 Posi 2310/2320 Psy1300/Soci 1310 A/D/M/T 2313	Writing-intensive (WI) course
	Chem 1342/ 1142	Bio 1331/1131	Math 2417 (pre)			
	Chem 2341/2141	Bio 2400	Math 2471			
	Chem 2342/2142	Bio 2450				
			Math 2328			
Texas Southern University	Chem 1341/1141	Bio 1330/1130	Math 1315 (pre)	Phys 1315/1115 or Phys 1430	Eng 1310/1320 Eng 23xx Comm 1310 Hist 1310/1320 Posi 2310/2320 Social Science A/D/M/T 2313	CS 1308 HIM 2360
	Chem 1342/ 1142	Bio 1331/1131	Math 2417 (pre)			
	Chem 2341/2141	Bio 2400	Math 2471			
	Chem 2342/2142	Bio 2430 or Bio 2451/2452 (both semesters)	Math 2328			
Texas Tech University Health Sciences Center	Chem 1341/1141	Bio 1330/1130	Math 1315 (pre)	Phys 1315/1115 or Phys 1430	Eng 1310/1320 Eng 23xx Comm 1310 (pre) Hist 1310/1320 Posi 2310/2320 Social Science A/D/M/T 2313	Comm 2338 Eco 2315 <i>pref.</i> or Eco 2314
	Chem 1342/ 1142	Bio 1331/1131	Math 2417 (pre)			
	Chem 2341/2141	Bio 2400 <i>pref.</i>	Math 2471 <i>pref.</i>			
	Chem 2342/2142	or Bio 2440	or Math 2321			
			Math 2328			

	Chemistry	Biology	Math	Physics	General Education Core	Additional Requirements
Texas A&M Health Science Center Kingsville	Chem 1341/1141 Chem 1342/ 1142 Chem 2341/2141 Chem 2342/2142	Bio 1330/1130 Bio 1331/1131 Bio 2400 Bio 2450	Math 1315 (pre) Math 2417 (pre) Math 2471 or Math 2321 Math 2328	Phys 1315/1115 or Phys 1430	Eng 1310/1320 Eng 23XX Phil 1305 or 1320 Comm 1310 Hist 1310/1320 Posi 2310/2320 Psy, Soci, or Eco A/D/M/T 2313	
Incarnate Word	Chem 1341/1141 Chem 1342/ 1142 Chem 2341/2141 Chem 2342/2142 Chem 3375* or Chem 4375*	Bio 1331/1131 Bio 2400 or Bio 2440 Bio 2451/2452 (both semesters)	Math 1315 (pre) Math 2417 (pre) Math 2471 Math 2328	Phys 1315/1115 or Phys 1430	Eng 1310/1320 Eng 23XX Phil 1305 or 1320 Hist 1310 or 1320 Social Science A/D/M/T 2313	<i>80 hours documented observation in a pharmacy</i>
University of North Texas Health Science Center Fort Worth	Chem 1341/1141 Chem 1342/ 1142 Chem 2341/2141 Chem 2342/2142	Bio 1330/1130 Bio 1331/1131 Bio 2400 Bio 2450 Bio 2451	Math 1315 (pre) Math 2417 (pre) Math 2471 or Math 2321 Math 2328 or another stats	Phys 1315/1115 or Phys 1430	Eng 1310/1320 Eng 23xx Comm 1310 (pre) Hist 1310/1320 Posi 2310/2320 Social Science A/D/M/T 2313	Comm 2328 <i>req.</i>
The University of Texas at Tyler	Chem 1341/1141 Chem 1342/ 1142 Chem 2341/2141 Chem 2342/2142	Bio 1330/1130 Bio 1331/1131 Bio 2400 or Bio 2440 Bio 2451/2452 (both semesters)	Math 1315 (pre) Math 2417 (pre) Math 2471 or Math 2321	Phys 1315/1115 or Phys 1430	Eng 1310/1320 Eng 23XX Phil 1305 or 1320 Comm 1310 Hist 1310/1320 Posi 2310/2320 Eco 2314 or 2315 A/D/M/T 2313	<i>or 2315 or 2338</i>

Updated Dec. 2016. This list represents the Pre-Pharmacy courses that align with Texas State University courses, allowing for as much overlap as possible between the prerequisites from the different schools. Some schools will allow other courses to be substituted for the courses listed, especially in the humanities and social sciences. **Every attempt is made to maintain the accuracy of this checklist. However, it is your responsibility to verify the requirements for each school prior to your application.** *UIW – strongly recommends biochemistry -- CHEM 3375 or 4375.

Recommended Course Sequence for 2-year completion of pharmacy prerequisites at Texas State:

Freshman

Fall semester

Functional Biology and lab (Bio 1330/1130)
General Chemistry I and lab (Chem 1341/1141)
Core
Core

Spring semester

Organismal Biology and lab (Bio 1331/1131)
General Chemistry II and lab (Chem 1342/1142)
Calculus I (Math 2471[^] or 2321 – consult prerequisite chart)
Core

Summer

Core courses

Sophomore

Fall semester

Microbiology and lab (Bio 2400)
Organic Chemistry I and lab (Chem 2341/2141)
Mechanics and lab (Phys 1430)[^]
or General Physics I and lab (Phys 1315/1115)
Core

Spring semester

Genetics and lab (Bio 2450)
Organic Chemistry II and lab (Chem 2342/2142)

Elementary Statistics (Math 2328)
Core

Summer

Core courses

[^]Biochemistry and Chemistry majors should take Phys 1430 for their degree plan, *not* Phys 1315/1115. Phys 1430 is accepted by Pharmacy Schools as satisfying the Physics prerequisite. Biology and other majors should take Phys 1315/1115. Biochemistry and Chemistry majors also need to take Math 2471, not Math 2321. Some Pharmacy Schools will *not* accept Math 2321.

Note: If you have to take College Algebra (Math 1315), some courses will be delayed by one semester since Math 1315 is a prerequisite for Chem 1341. If you have to take Precalculus (Math 2417) you would need to add that course to the Freshman fall semester sequence above.