

University of Minnesota College of Pharmacy
2012 GUIDE OF APPROVED PREPHARMACY COURSES FOR
St. Cloud State University

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U of MN Pharmacy Prerequisites	Course	Notes /other acceptable courses
General Biology (with lab)		
1 course	BIOL 151	
Microbiology (with lab)		
1 course	BIOL 206	Another acceptable course: BIOL 362
Advanced Biology		
1 course	SEE NOTE ----->	Recommended courses: biochemistry, cell biology, genetics, or molecular biology. Any other advanced biology course must focus on the human body to be considered.
Human Anatomy		
1 course*	BIOL 202 & 204	
Human Physiology		
1 course*	BIOL 202 & 204	Another acceptable course: BIOL 478/578
Calculus		
1 course	MATH 221	
Statistics		
1 course	STAT 229	Another acceptable courses: STAT 219, 319, 353, BIOL 390
General Chemistry (with labs)		
	CHEM 210 & 211	
Organic Chemistry (with labs)		
2 courses (O Chem I & II) CHEM	CHEM 310 & 311	
Physics		
1 course, calculus based	PHYS 234	
Social & Behavioral Sciences		
2 courses	SEE NOTE ----->	Recommended courses: psychology, sociology, economics, human development, epidemiology, global issues, education, and anthropology.
English Composition		
1 advanced course **	ENGL 331	Another acceptable course, ENGL 332 Alternative: Completion of bachelor degree
Ethics or Philosophy		
1 course	SEE NOTE ----->	A course focusing on ethics, philosophy, or moral reasoning.
Public Speaking or Interpersonal Communication		
1 course	CMST 211 or 220	Another acceptable course: CMST 192

**If completing a combined sequence, both semesters must be taken to fulfill both Human Anatomy & Physiology, or the combined one semester course must be a minimum of 5 semester credits, unless pre approved by the College of Pharmacy.*

***If completing a bachelor's degree & your school has an advanced writing requirement to graduate, this prerequisite may be waived.*

Pre pharmacy requirements:

Pre pharmacy courses must be at least 3 semester credits, taken A-F, and completed with a grade of C or better before enrollment. The College strongly advises applicants not to take courses with labs instructed via distance learning or on the web. Applicants must have an overall GPA of 3.00 (or 3.2 over the most recent 60 semester credits) to qualify for admission.