

## University of Louisiana Monroe Prerequisites for Northwestern State University

ULM Course Pre-req	Course Name	NSULA Equivalent
BIOL 120/121	General Biology (4 hrs.)	BIOL 1010/1011 and 1020/1021
BIOL 214/215	Microbiology (4 hrs.)	BIOL 2060/2061
BIOL 220	Cell Biology (3 hrs.)	BIOL 3250/3251
BIOL 240/241	Anatomy (4 hrs.) <b>or</b> A&P I (4 hrs.)	BIOL 2220/2221 <b>or</b> 3310/3311
BIOL 305	Genetics (3 hrs.)	BIOL 3270/3271
BIOL 311 & 312/313	Physiology (4 hrs.) <b>or</b> A&P II (4 hrs.)	BIOL 2230/2231 <b>or</b> 3320/3321
BUSN 305	Business Communication (3 hrs.)	COMM 4020
CHEM 107/109	General Chemistry (4 hrs.)	CHEM 1030/1031
CHEM 108 & 110	General Chemistry (4 hrs.)	CHEM 1040/1041
CHEM 230/231	Organic Chemistry (4 hrs.)	CHEM 3010/3011
CHEM 232/233	Organic Chemistry (4 hrs.)	CHEM 3020/3021
CHEM 350	Biochemistry I (3 hrs.)	CHEM 4040
CMS 201	Public Speaking (3 hrs.)	COMM 1010
ECON 201	Economics (3 hrs.)	ECON 2000
ENGL 101	English Composition ( 3 hrs.)	ENGL 1010
ENGL 102	English Composition (3 hrs.)	ENGL 1020
ENGL 320	Technical Writing (3 hrs.)	ENGL 3230
FRYS 101	Freshmen Seminar (1 hour)	OR 1010
KINS 201	First Aid & CPR (1 hour)	HED 1010
MGTM 301	Organization & Management (3 hrs.)	OFAD 2170 <b>or</b> MGT 3220
MATH 113	Precalculus (6 hrs.)	MATH 1100 <b>or</b> 1020 and 1090
MATH 131	Calculus (4 hrs.)	MATH 2100
MATH 132	Calculus (4 hrs.)	MATH 2110
MATH 303	Statistics (3 hrs.)	MATH 2050
PHYS 203 or 207 and 209	Physics (4 hrs.)	PHYS 2030/2031
PHYS 204 or 208 and 210	Physics (4 hrs.)	PHYS 2040/2041
Fine Arts Core	Art, Dance, Music, Theater (3 hrs.)	FA 1010
	Literature, History (9 hrs.)	
	Economics, Geography, Political Science,	
	Sociology, Psychology, Anthropology (3 hrs.)	
	*Immunology, Pathophysiology, Molecular Biology	Biol 4190/4291, 4280, 4300/4301

\*Recommended courses

#File and appeal for any courses 10 yrs or older – all or none accepted

All student applying to the program compete for space in the class. Each year, the College of Pharmacy receives more applications than there are available seats in the entering class. Applicants are considered on the basis of above average performance on a national standardized exam, a personal interview, and their academic transcripts. Below we have listed some preferred criteria for your consideration:

1. Completion of the pre-pharmacy requirements with no grade less than "C";
2. Possess a pre-requisite **and** cumulative grade-point average of at least 3.000 (uncorrected, based on a 4.0 system) in all previous coursework undertaken, exclusive of developmental courses, whether passed or failed at all institutions of attendance;
3. Possess a PCAT composite score, percentile rank of 40% or higher;
4. Possess a minimum score of 3 or higher on the PCAT writing assessments.

See the application process at <http://www.ulm.edu/pharmacy/prospective/apply.html>

### Recommended during prepharmacy:

- Upper level A&P (prefer A&P in sequence: either anatomy at 1 institution, physiology at 2<sup>nd</sup> institution or A&P I and II at the same institution)
- Immunology
- Pathophysiology
- Biochemistry
- Advanced courses in physiology and molecular biology
- Prefer labs to be face to face
- Micro- or macroeconomics (**in addition** to 9 hrs core)
- Technical or business writing or business communications
- Calculus (No precalculus)
- Humanities: 12 hrs total: 9 hrs core **PLUS** 3 hrs public speaking
- Social sciences: 6 hrs total: 3 hrs core **PLUS** 3 hrs economics
- Must have at least C in all, all attempts are averaged
- File for appeal for any class 10 yrs or older – all or none accepted

### Suggested Schedule

Fall			Spring			
Biol 1010-1011 <sup>&amp;</sup>	Biol I	4	Biol 1020-1021 <sup>&amp;</sup>	Biol II	4	Univ core <sup>#</sup>
Chem 1030-1031 <sup>+</sup>	Gen Chem I	4	Chem 1040-1041 <sup>+</sup>	Gen Chem II	4	Biol core <sup>&amp;</sup> 13
Engl 1010 <sup>#</sup>	Engl I	3	Engl 1020 <sup>#</sup>	Engl II	3	Biol conc <sup>%</sup> 32
Math 1020 <sup>#</sup>	Algebra	3	Math 1090 <sup>#</sup>	Trig	3	Biol elect <sup>*</sup> 11
Univ 1000 <sup>#</sup>	Orient	1				Gen elect <sup>@</sup> 22
		<b>15</b>			<b>14</b>	
Biol 2060-2061 <sup>%</sup>	Micro	4	Engl 2110 <sup>#</sup>	Lit	3	Total <b>120</b>
Biol 3310-3311 <sup>%</sup>	A&P I	4	Biol 3320-3321 <sup>%</sup>	A&P II	4	
Chem 3010-3011 <sup>@</sup>	Org Chem I	5	Chem 3020-3021 <sup>@</sup>	Org Chem II	5	
Comm 1010 <sup>@</sup>	Speech	3	Biol 2020-2021 <sup>&amp;</sup>	Biol III	4	
		<b>16</b>	<b>PCAT (1<sup>st</sup> attempt)</b>		<b>16</b>	
Biol 4280 <sup>*</sup>	Patho	3	Biol 3250-3251 <sup>%</sup>	Cell	4	
Math 2100 <sup>+</sup>	Calculus	5	Biol 3060 <sup>%</sup>	Biostats	3	
			Anth 1510, PoSc 2010, Geog 1010, or Phil 1010 <sup>#</sup>	Soc Sci core	3	
Biol 4350 <sup>%</sup>	Biochem	3	Biol 4190-4191 <sup>*</sup>	Immuno	4	
Biol 3270-3271 <sup>%</sup>	Genetics	4			<b>14</b>	
		<b>15</b>				
Econ 2000 or 2010 <sup>@</sup>	Econ	3	Biol 4900 <sup>&amp;</sup>	Seminar	1	
FA 1040 <sup>#</sup>	Fine Arts	3	Phys 2030-2031 <sup>@</sup>	Physics	4	
Psych 1010 <sup>#</sup>	Psych	3	Biol 4300-4301 <sup>%</sup>	Molecular	4	
Engl 3230 <sup>@</sup>	Tech Writ	3	Biol 3290 <sup>*</sup>	Epidem	3	
Comm 2500 <sup>@</sup>	Interpersonal	3	Hist 1010, 1020, 2010, or 2020 <sup>#</sup>	Hist	3	
<b>Apply to Prof School</b>		<b>15</b>			<b>15</b>	