

Name: \_\_\_\_\_

ID: \_\_\_\_\_

**NORTH DAKOTA STATE UNIVERSITY**  
**College of Pharmacy, Nursing & Allied Sciences**

**PRE-PHARMACY**

IP = In Progress

NR = Not Required

Fall 2012

GENERAL EDUCATION REQUIRED PRE-REQUISITE COURSES:						DEPARTMENT REQUIRED PRE-REQUISITE COURSES:					
Course	Number	Course Title	Credits	Sem/YR	Grade	Course	Number	Course Title	Credits	Sem/YR	Grade
<b>First Year Experience (F)</b>			<b>1 sem credit</b>			BIOC	460*	Foundations in Biochem & Molecular Bio I	3		
UNIV	189 <sup>1</sup>	Skills for Academic Success	1			BIOC	461	Foundations in Biochem & Molecular Bio II	3		
<b>Communications (C)</b>			<b>12 sem credits</b>			BIOL	150*	General Biology I	3		
ENGL	110	College Composition I	3			BIOL	150L*	General Biology I Lab	1		
ENGL	120*	College Composition II	3			BIOL	220*	Human Anat. & Phys I	3		
COMM	110*	Fundamentals of Public Speaking	3			BIOL	220L*	Human Anat. & Phys I Lab	1		
ENGL	324 or 325		3			BIOL	221	Human Anat. & Phys II	3		
<b>Quantitative Reasoning (R)</b>			<b>3 sem credits</b>			BIOL	221L	Human Anat. & Phys II Lab	1		
MATH	146*	Applied Calc I	4			CHEM	122L	General Chemistry I Lab	1		
<b>Science &amp; Technology (S)</b>			<b>10 sem credits</b>			CHEM	341*	Organic Chemistry I	3		
CHEM	121*	General Chemistry I	3			CHEM	341L	Organic Chemistry I Lab	1		
CHEM	121L	General Chemistry I Lab	1			CHEM	342*	Organic Chemistry II	3		
CHEM	122*	General Chemistry I	3			MICR	202*	Intro. Microbiology	2		
PHYS	211	College Physics I	3			MICR	202L*	Intro. Microbiology and Lab	1		
<b>Humanities &amp; Fine Arts (A)</b>			<b>6 sem credits</b>			MICR	460	Pathogenic Microbiology	3		
			3			STAT	330*	Introductory Statistics	3		
			3			<b>Notes:</b>					
<b>Social &amp; Behavioral Science (B)</b>			<b>6 sem credits</b>			<sup>1</sup> Students transferring in 24 or more credits do not need to take UNIV 189.  * Denotes core courses used in the admission GPA consideration for the professional Pharmacy program.					
ECON	201*	Microeconomics	3								
COMM	216*	Intercultural Communication	3			<b>NOTE: For applicants of 2012 only, core status is removed from Chem 342 and Bioc 460</b>  <b>All Required Courses Must be Completed with a grade of 'C' or better.</b>					
<b>Wellness (W)</b>			<b>2 sem credits</b>								
			2			All courses must be completed in order to apply for the professional program in the last spring semester pre-requisite courses are taken.					
<b>Global Perspectives (G)</b>											
ECON	201	Microeconomics									
<b>Cultural Diversity (D)</b>											
COMM	216	Intercultural Communication									