

Articulation Agreement

North Dakota State University (Fargo, ND) and North Dakota State College of Science (Wahpeton, ND)

Year: **2004/2005** Program: **Biochemistry and Molecular Biology**

The following information pertains to the 2004-2006 NDSU catalog.

Students completing the NDSCS courses below with a grade of C or above may transfer them to NDSU in fulfillment of the corresponding courses required for credit applied to the biochemistry and molecular biology program. Students planning to transfer to NDSU are encouraged to have phone or email contact with an advisor from NDSU. Students may call the College of Science and Mathematics at (701) 231-7411.

NDSU Courses			NDSCS Courses		
Communication Requirements					
COMM 110	Fundamentals of Public Speaking	3	COMM 110	Fundamentals of Public Speaking	3
ENGL 110	College Composition I	3	ENGL 110	College Composition I	3
ENGL 120	College Composition II	3	ENGL 120	College Composition II	3
Quantitative Reasoning Requirements					
MATH 165	Calculus I	4	MATH 165	Calculus I	4
MATH 166	Calculus II	4	MATH 166	Calculus II	4
			<i>(Quantitative Reasoning at NDSCS)</i>		
Science and Technology Requirements					
BIOL 150/L	General Biology I/Lab	3/1	BIOL 150/L	General Biology I/Lab	3/1
BIOL 151/L	General Biology II/Lab	3/1	BIOL 151/L	General Biology II/Lab	3/1
CHEM 121/L	General Chemistry I/Lab	3/1	CHEM 121/L	General Chemistry I/Lab	4/1
CHEM 122/L	General Chemistry II/Lab	3/1	CHEM 122/L	General Chemistry II/Lab	4/1
CHEM 341/L	Organic Chemistry I/Lab	3/1	CHEM 241/L	Organic Chemistry I/Lab	4/1
			<i>(Science & Technology at NDSCS)</i>		
CHEM 342/L	Organic Chemistry II/Lab	3/1	CHEM 242/L	Organic Chemistry II/Lab	4/1
			<i>(Science & Technology at NDSCS)</i>		
Humanities and Fine Arts Requirements					
Elective		6	*Elective		6
Social and Behavioral Sciences Requirements					
Elective		6	*Elective		6
Wellness Requirements					
Elective		2	*Elective		2
Global Perspectives Requirement**					
Cultural Diversity Requirement**					
Additional Humanities & Fine Arts and Social & Behavioral Sciences Requirements					
<i>For Bachelor of Science</i>					
Elective		6	*Elective		6
Biochemistry Option					
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	5
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	5
Molecular Biology Option					
<i>Choose 1 sequence from:</i>					
PHYS 211/L	College Physics I/Lab	3/1	PHYS 211/L	College Physics I/Lab	5
PHYS 212/L	College Physics II/Lab	3/1	PHYS 212/L	College Physics II/Lab	5
-OR-			-OR-		
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	5
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	5
Bioinformatics Option					
CSCI 160	Computer Science I	4	CSCI 160	Computer Science I (JAVA)	4
CSCI 161	Computer Science II	4	CSCI 161	Computer Science II (JAVA)	4
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	5
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	5
CSCI 373	Assembly Programming	3	CSCI 250	Assembly Language	3
CSCI 374	Computer Organization and Architecture	3	CSCI 270	Computer Organization	3

Biophysics Option					
MATH 265	Calculus III	4	MATH 265	Calculus III	4
MATH 266	Introduction to Differential Equations	3	MATH 266	Introduction to Differential Equations	3
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	5
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	5
CSCI 160	Computer Science I	4	CSCI 160	Computer Science I (JAVA)	4
CSCI 161	Computer Science II	4	CSCI 161	Computer Science II (JAVA)	4
Biochemical Business Option					
ECON 201	Principles of Microeconomics	3	ECON 201	Principles of Microeconomics <i>(Satisfies Social & Behavioral Sciences and Global Perspectives for this option)</i>	3
ECON 202	Principles of Macroeconomics	3	ECON 202	Principles of Macroeconomics <i>(Satisfies Social & Behavioral Sciences and Global Perspectives for this option)</i>	3
PSYC 111	Introduction to Psychology	3	PSYC 111	Introduction to Psychology <i>(Satisfies Social & Behavioral Science for this option)</i>	3
<i>Choose 1 sequence from:</i>					
PHYS 211/L	College Physics I/Lab	3/1	PHYS 211/L	College Physics I/Lab	5
PHYS 212/L	College Physics II/Lab	3/1	PHYS 212/L	College Physics II/Lab	5
-OR-					
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	5
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	5

*Humanities & Fine Arts, Social & Behavioral Sciences, and Wellness electives may be fulfilled with any GERTA courses under the same category.

**The Global Perspectives and Cultural Diversity requirements may be fulfilled within other general education categories. Check with an advisor for courses that meet this requirement.