

Articulation Agreement

North Dakota State University (Fargo, ND) and Bismarck State College (Bismarck, ND)

Year: **2004/2005**

Program: **Biochemistry and Molecular Biology**

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

Students completing the BSC courses below 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			BSC 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 BSC)</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
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**					
					3
Cultural Diversity Requirement**					
					3
Additional Humanities & Fine Arts and Social & Behavioral Sciences Requirements					
<i>For Bachelor of Science</i>					
Elective		6	*Elective		6
Program Requirements					
CHEM 341/L	Organic Chemistry I/Lab	3/1	CHEM 241/L	Organic Chemistry I/Lab	4/1
CHEM 342/L	Organic Chemistry II/Lab	3/1	CHEM 242/L	Organic Chemistry II/Lab	4/1
Biochemistry Option					
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	4/1
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	4/1
Molecular Biology Option					
PHYS 211/L	College Physics I/Lab	3/1	PHYS 211/L	College Physics I/Lab	3/1
PHYS 212/L	College Physics II/Lab	3/1	PHYS 212/L	College Physics II/Lab	3/1
-OR-					
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	4/1
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	4/1
Bioinformatics Option					
CSCI 160	Computer Science I	4	CSCI 160	Computer Science I	3
CSCI 161	Computer Science II	4	CSCI 161	Computer Science II	3
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	4/1
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	4/1
CSCI 212	Self-Paced C++	1	CSCI 124	Beginning C++	3
CSCI 373	Assembly Programming	3	CSCI 250	Assembly Language	3
Biophysics Option					
MATH 265	Calculus III	4	MATH 265	Calculus III	4

MATH 266	Intro/Differential Equations	3	MATH 266	Intro/Differential Equations	3
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	4/1
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	4/1
CSCI 160	Computer Science I	4	CSCI 160	Computer Science I	3
CSCI 161	Computer Science II	4	CSCI 161	Computer Science II	3
Biochemical Business Option					
ECON 201	Prin. of Microeconomics	3	***ECON 201	Prin. of Microeconomics	3
ECON 202	Prin. of Macroeconomics	3	***ECON 202	Prin. of Macroeconomics	3
PSYC 111	Introduction to Psychology	3	PSYC 111	Introduction to Psychology	3
			<i>(Satisfies Social & Behavioral Sciences for this option)</i>		
PHYS 211/L	College Physics I/Lab	3/1	PHYS 211/L	College Physics I/Lab	3/1
PHYS 212/L	College Physics II/Lab	3/1	PHYS 212/L	College Physics II/Lab	3/1
-OR-					
PHYS 251/L	University Physics I/Lab	4/1	PHYS 251/L	University Physics I/Lab	4/1
PHYS 252/L	University Physics II/Lab	4/1	PHYS 252/L	University Physics II/Lab	4/1

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

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

***Satisfies Social & Behavioral Sciences and Global Perspectives for this option

A grade of C or better is required in all courses transferred into the College of Science and Mathematics.