

Articulation Agreement

Civil Engineering

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

Year: **2004/2005** Program: **Civil Engineering**

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

Students completing the BSC 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 civil engineering 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 Engineering and Architecture at (701) 231-7494.

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					
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
GEOL 105	Physical Geology	3	GEOL 105	Physical Geology	3
PHYS 252	University Physics II	4	PHYS 252	University Physics II	4
Humanities and Fine Arts Requirements					
ENGR 311	Impact of Technology on Society I	3	***No BSC course fulfills this requirement		
Elective		3	*Elective		3
Social and Behavioral Sciences Requirements					
ENGR 312	Impact of Technology on Society II	3	***No BSC course fulfills this requirement		
Elective		3	*Elective		3
Wellness Requirements					
Elective		2	*Elective		2
Global Perspectives Requirement (Fulfilled by GEOL 105)					
			3		
Cultural Diversity Requirement**					
			3		
Extra Humanities & Fine Arts or Social & Behavioral Science Requirement					
Elective		3	*Elective		3
Program Requirements					
ME 221	Engineering Mechanics I	3	ENGR 201	Statics	3
MATH 259	Multivariate Calculus	3	MATH 265	Calculus III	4
CE 204	Surveying	4	ENGR 204/L	Surveying/Lab	3/1
CE 212	Fundamentals of Visual Communication for Engineers	3	ENGR 101	Graphical Communication	3
			- AND -		
			CAD 211	Computer Aided Design I	3
ME 222	Engineering Mechanics II	3	ENGR 202	Dynamics	3
MATH 266	Introduction to Differential Equations	3	MATH 266	Introduction to Differential Equations	3
ME 223	Mechanics of Materials	3	ENGR 203	Mechanics of Materials	3
CE 303	Civil Engineering Materials	3	CT 251/L	Materials Testing/Lab	3/1

*Arts & Humanities, Social & Behavioral Science, 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.
 ***Transfer students may substitute a general education course for either ENGR 311 or 312 but not both.