# Articulation Agreement

**University of North Dakota and Inver Hills Community College**

Inver Grove Heights, M

**Degree:** Bachelor of Science  
**Major:** PHYSICS

The following information was updated according to the 2015-2016 UND CATALOG - Students satisfactorily completing the courses below may transfer them to UND in fulfillment of the corresponding course requirements for this degree. Essential Studies equivalencies, courses, and major requirements may change. An official evaluation of transfer credit will be done upon admission to the university. Transfer credits will be evaluated and applied according to the current catalog and the approved Essential Studies list at the first semester of enrollment at UND.

Students planning to transfer to UND are encouraged to have phone or email contact with a UND adviser. Students may call the Advising Office at 1-800-CALL-UND ext. 2749 or 777-2749

## IHCC Course/Credits/Title | UND Course/Credits/Title
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**I. Communication - COM**
COMM 1110 | 3 | Public Speaking (O)
ENG 1108 | 4 | Writing & Research Skills
ENG 1114 | 3 | Research Paper
COMM 110 | 3 | Fundamentals of Public Speaking
ENG 110 | 3 | College Composition I
ENG 130 | 3 | Comp II: Writing for Public Audiences

**II. Social Science - SS**
Elective Credit | 9 | Social Science Elective Credits
Elective Credit | 9 | Social Science Elective Credits

**III. Arts and Humanities - FA/HUM**
Elective Credit | 9* | Credit from at least two depts.
Elective Credit | 9* | Credit from at least two depts.
*must include 3 credits designated as Fine Arts and 3 credits designated as Humanities

**IV. Mathematics, Science & Technology - MST**
CHEM 1061 | 5 | Principles of Chemistry I (Q)
CHEM 1062 | 5 | Principles of Chemistry II (Q)
MATH 1133 | 5 | Calculus I
MATH 1134 | 5 | Calculus II
CHEM 121/L | 3/1 | General Chemistry I/Lab
CHEM 122/L | 3/1 | General Chemistry II/Lab
MATH 165 | 4 | Calculus I
MATH 166 | 4 | Calculus II
MATH 2219 | 5 | Multivariable Calculus
MATH 2222 | 3 | Introduction to Differential Equations
MATH 265 | 4 | Calculus III
MATH 266 | 3 | Elementary Differential Equations
PHYS 1081 | 5 | Calculus Based Physics I/Lab
PHYS 1082 | 5 | Calculus Based Physics II/Lab
PHYS 251/L | 4 | University Physics I/Lab
PHYS 252/L | 4 | University Physics II/Lab

A complete list of approved Essential Studies courses can be found online at [http://und.edu/academics/essential-studies/approved-courses.cfm](http://und.edu/academics/essential-studies/approved-courses.cfm)

When choosing your Essential Studies (General Education) Courses in Communication, Fine Arts and Humanities, Social Science, and Math, Science & Technology, you will need to consider how you will meet the special emphasis requirements. Courses listed above that meet a special emphasis requirement are marked as follows: Oral Communication requirement (O), Social-Cultural Diversity requirement: United States (U), Social-Cultural Diversity requirement: Global (G), Quantitative Reasoning requirement (Q), and Advanced Communication requirement (A). To learn more please go to [http://und.edu/academics/essential-studies](http://und.edu/academics/essential-studies) or check with your adviser.

All students-including transfers-are required to take an Essential Studies upper division Capstone (C) course at UND. Approved Capstone courses are taken in the senior year of a student’s undergraduate program.

Additional classes will be required to earn the above degree; a minimum of 125 credits is required to graduate from UND. A complete listing of program requirements can be found in the Academic Catalog and Four Year Plans.

Transfer credit for courses other than those listed above will be evaluated on a course-by-course basis.