Articulation Agreement

University of North Dakota and North Hennepin Community College

Degree: Bachelor of Science in Chemistry

Major: CHEMISTRY

The following information was updated according to the 2017-2019 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. 4974 or (701) 777-4974.

Students must have completed a full year of calculus-based physics and three semesters of calculus before beginning their junior (third) year chemistry classes.

<table>
<thead>
<tr>
<th>NHCC Course/Credits/Title</th>
<th>UND Course/Credits/Title</th>
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<tbody>
<tr>
<td>I. Communication - COM</td>
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</tr>
<tr>
<td>ENGL 1202 2 College Writing II</td>
<td>ENGL 130 3 Comp II: Writing for Public Audiences</td>
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<tr>
<td>ENGL 1201 4 College Writing I</td>
<td>ENGL 110 3 College Composition I</td>
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<tr>
<td>SPCH 1010 3 Fundamentals of Public Speaking (O)</td>
<td>COMM 110 3 Fundamentals of Public Speaking</td>
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<tr>
<td>II. Social Science - SS</td>
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<tr>
<td>Elective Credit 9 Credit from at least two depts.</td>
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<tr>
<td>III. Arts and Humanities - FA/HUM</td>
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<tr>
<td>Elective Credit 3 Fine Arts Elective</td>
<td>Elective Credit 3 Fine Arts Elective</td>
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<tr>
<td>SPAN 1101 5 Beginning SPAN I</td>
<td>LANG 101 4 First Year Language I</td>
</tr>
<tr>
<td>SPAN 1102 5 Beginning SPAN II</td>
<td>LANG 102 4 First Year Language I</td>
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<tr>
<td>IV. Mathematics, Science &amp; Technology - MST</td>
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<tr>
<td>CHEM 1061 4 Principles of Chemistry I (Q)</td>
<td>CHEM 121/L 3/1 General Chemistry I/Lab</td>
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<tr>
<td>CHEM 1062 4 Principles of Chemistry II (Q)</td>
<td>CHEM 122/L 3/1 General Chemistry II/Lab</td>
</tr>
<tr>
<td>MATH 1221 5 Calculus I</td>
<td>MATH 165 4 Calculus I</td>
</tr>
<tr>
<td>MATH 1222 5 Calculus II</td>
<td>MATH 166 4 Calculus II</td>
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<tr>
<td>Other Program Requirements</td>
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<tr>
<td>CHEM 2061 5 Organic Chemistry I</td>
<td>CHEM 341/L 4/1 Organic Chemistry I/Lab</td>
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<tr>
<td>CHEM 2062 5 Organic Chemistry II</td>
<td>CHEM 342/L 4/1 Organic Chemistry II/Lab</td>
</tr>
<tr>
<td>MATH 2220 5 Calculus III</td>
<td>MATH 265 4 Calculus III</td>
</tr>
<tr>
<td>PHYS 1601 5 General Physics I/Lab (Q)</td>
<td>PHYS 251/L 4 University Physics I/Lab</td>
</tr>
<tr>
<td>PHYS 1602 5 General Physics II/Lab</td>
<td>PHYS 252/L 4 University Physics II/Lab</td>
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</tbody>
</table>

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 and 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 120 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.