

# Articulation Agreement

North Dakota State University (Fargo, ND) and Lake Region State College (Devils Lake, ND)

Year: **2004/2005**                      Program:                      **Physics Education**

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

Students completing the LRSC courses below may transfer them to NDSU in fulfillment of the corresponding courses required for credit applied to the physics education 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 Human Development and Education at (701) 231-8211.

| NDSU Courses   |                                 |     | LRSC Courses           |   |   |
|--|---------------------------------|-----|------------------------|---|---|
| <b>Communication Requirements</b>                              |                                 |     |                        |   |   |
| 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 |
| <b>Quantitative Reasoning Requirements</b>                     |                                 |     |                        |   |   |
| MATH 165   | Calculus I                      | 4   | MATH 165               | Calculus I  | 4 |
| ***MATH 166  | Calculus II                     | 4   | MATH 166               | Calculus II<br>(Quantitative Reasoning at LRSC)                                   | 4 |
| ***MATH 265  | Calculus III                    | 4   | MATH 265               | Calculus III<br>(Quantitative Reasoning at LRSC)                                  | 4 |
| STAT 330   | Introductory Statistics         | 3   | STAT 210               | Elementary Statistics   | 3 |
| <b>Science and Technology Requirements</b>                     |                                 |     |                        |   |   |
| BIOL 124/L   | Environmental Science/Lab       | 3/1 | BIOL 124               | Environmental Science   | 3 |
| ***PHYS 110  | Introductory Astronomy          | 3   | ASTR 110               | Introductory Astronomy  | 3 |
| ***PHYS 251/L  | University Physics I            | 4/1 | PHYS 251               | University Physics I  | 5 |
| ***PHYS 252/L  | University Physics II           | 4/1 | PHYS 252               | University Physics II   | 5 |
| ***CSCI 114  | Microcomputer Packages          | 3   | CSCI 101               | Intro to Computers  | 3 |
| CHEM 121/L   | General Chemistry I/Lab         | 3/1 | CHEM 121               | General Chemistry I   | 5 |
| ***CHEM 122/L  | General Chemistry II            | 3/1 | CHEM 122               | General Chemistry II  | 5 |
| ***GEOL 105/L  | Physical Geology/Lab            | 3/1 | GEOL 105               | Introduction to Geology   | 4 |
| <b>Humanities and Fine Arts Requirements</b>                   |                                 |     |                        |   |   |
| Elective   |                                 | 6   | *Elective              |   | 6 |
| <b>Social and Behavioral Sciences</b>                          |                                 |     |                        |   |   |
| Elective   |                                 | 6   | *Elective              |   | 6 |
| <b>Wellness Requirements</b>                                   |                                 |     |                        |   |   |
| Elective   |                                 | 2   | *Elective              |   | 2 |
| <b>Global Perspectives Requirement</b> (Satisfied by BIOL 124) |                                 |     |                        |   |   |
| <b>Cultural Diversity Requirement**</b>                        |                                 |     |                        |   |   |
| <b>Program Requirements</b>                                    |                                 |     |                        |   |   |
| ***Chemistry Elective  |                                 | 4   | ****Chemistry Elective |   | 4 |
| EDUC 321   | Introduction to Teaching        | 3   | EDUC 250               | Introduction to Education<br>(Student responsible for learning INTASC principles) | 2 |
| EDUC 381   | Early Experience                | 1   | EDUC 298               | Pre-Professional Experience<br>(May need ESL hours)                               | 1 |

\*Humanities & Fine Arts, 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.

\*\*\*Teaching specialty courses

\*\*\*\*These electives may be fulfilled with courses selected from the chemistry discipline. Check with an advisor for courses that meet these requirements.

Students must be admitted to the School of Education in order to take 400-level Education classes. Admission guidelines are:

1. Cumulative GPA (NDSU plus transfer credits) of 2.75 or better.
2. A GPA of 2.75 in teaching specialty courses.
3. B or better in COMM 110.
4. English writing competence. (2.50 in ENGL 110 and 120 combined, B or better in ENGL 358, 20 English ACT.)
5. Achievement of minimum scores on the Praxis I (PPST) test.
6. A minimum of 40 hours working with youth.
7. Reflections of the INTASC standards.
8. Admission interview.

A GPA of 2.75 or better is required for placement in student teaching and exit from the program.