

# **PROGRAM TO PROGRAM ARTICULATION AGREEMENT**

with Respect to Applying the **NATURAL RESOURCES CONSERVATION**

**Associate of Science Degree Program**

Towards the

**ECOLOGY AND ENVIRONMENTAL SCIENCE MAJOR  
Bachelor of Science Degree Program**

Between

NORTHWEST IOWA COMMUNITY COLLEGE (NCC)  
and  
SOUTH DAKOTA STATE UNIVERSITY (SDSU)

## **I. Parties**

The parties to this agreement are South Dakota State University (SDSU), Brookings, SD and Northwest Iowa Community College (NCC), Sheldon, IA.

## **II. Purpose**

The purposes of this agreement are to:

- A. have a signed agreement that addresses the varying needs of students and complementary nature of the institutions' programs;
- B. provide increased educational opportunities for students from the region;
- C. extend and clarify educational opportunities for students; and
- D. provide NCC students who have completed an A.S. degree in Natural Resources Conservation an opportunity to earn a Bachelor of Science degree at SDSU with a major in Ecology and Environmental Science.

## **III. Academic Program**

- A. Students must successfully complete the A.S. degree in Natural Resources Conservation from NCC prior to transferring to SDSU for this agreement to apply. Upon successful completion of the major requirements specified herein, SDSU will accept 60 course credits from the A.S. degree in Natural Resources Conservation for students majoring in Ecology and Environmental Science at SDSU. Students must meet all South Dakota Board of Regents policies and university graduation requirements in order to receive a degree.
- B. Requirements to be completed at SDSU to earn a Bachelor of Science degree with a major in Ecology and Environmental Science are outlined below.

Note: NCC courses are listed in *italics* font, whereas SDSU courses are listed in normal font.

System General Education Graduation Requirements (SGRs): minimum 33 credits required of which 29 credits are normally completed within the A.S. in Natural Resources Conservation at NCC and 4 credits are completed at SDSU. If any of the requirements noted below as met at



NCC are not completed at NCC, then the student will need to complete these requirements at SDSU or by transfer of approved equivalent courses.

1. Goal #1 Written Communication
  - a. ENGL 101, Composition I (3 credits, met at NCC by completion of *ENG 105-A, Composition I*)
  - b. ENGL 201, Composition II (3 credits, met at NCC by completion of *ENG 106-A, Composition II*)
2. Goal #2 Oral Communication: SPCM 101, Fundamentals of Speech (3 credits, met at NCC by completion of *SPC 112-A, Public Speaking*)
3. Goal #3 Social Sciences/Diversity (6 credits from 2 disciplines from approved list in SDSU Catalog). Met at NCC by completion of:
  - a. *ECN 120-A, Principles of Macroeconomics* (equivalent to ECON 202, Principles of Macroeconomics)
  - b. *SOC 110-A Introduction to Sociology* (equivalent to SOC 100, Introduction to Sociology)
4. Goal #4 Arts and Humanities/Diversity (6 credits from 2 disciplines from approved list in SDSU Catalog). Met at NCC by completion of:
  - a. *LIT 101-A, Introduction to Literature* (equivalent to ENGL 210 Introduction to Literature)
  - b. *PHI 105-A, Introduction to Ethics* (equivalent to PHIL 220, Introduction to Ethics)
5. Goal #5 Mathematics. Met at NCC by completion of *MAT 121-A, College Algebra, 4 credits* (equivalent to MATH 102, College Algebra, 3 credits)
6. Goal #6 Natural Sciences
  - a. CHEM 106-106L, Chemistry Survey and Lab; or CHEM 112/112L, General Chemistry I and Lab (4 credits, met at NCC by completion of *CHM 122-A, Introduction to General Chemistry* or *CHM 163-A/164-A, General Chemistry I and Lab*, rather than the normal program requirement of *CHM 110-A, Introduction to Chemistry*)
  - b. PHYS 101-101L, Survey of Physics and Lab; or PHYS 111-111L, Introduction to Physics I and Lab (4 credits)

SDSU's Institutional Graduation Requirements (IGRs): 5 credits, all of which can be met at NCC

1. IGR Goal #1 First Year Seminar: NRM 109-109L (2 credits, met at NCC by completion of A.S. in Natural Resources Conservation)
2. IGR Goal #2 Cultural Awareness and Social and Environmental Responsibility: PS 213/213L, Soils and Lab (3 credits, met at NCC by completion of *AGA 154-A, Fundamentals of Soil Science*)

Globalization requirement: met at NCC by completion of *GEO 121-A, World Regional Geography, 3 credits.* (equivalent to GEOG 210, World Regional Geography)

Advanced Writing requirement: Met by completion of major requirement below (*ABS 475-475L, Integrated Natural Resource Management and Lab*)



Major and Support Course Requirements: Minimum 46 credits of which 13 credits should be completed at NCC and 33 credits at SDSU.

1. BIOL 151-151L, General Biology I and Lab (4 credits, can be met at NCC by completion of *BIO 105-A, Introductory Biology, 4 credits*).
2. ABS 475-475L, Integrated Natural Resource Management and Lab (3 credits)
3. CHEM 108-108L, Organic and Biochemistry and Lab (5 credits); or CHEM 114-114L, General Chemistry II and Lab (4 credits)
4. ECON 372, Introduction to Resource and Environmental Economics (3 credits)
5. EES 275, Introduction to Environmental Science (3 credits, met at NCC by completion of *ENV 115-A, Environmental Science*)
6. EES 425-425L, Disturbance and Restoration Ecology and Lab (3 credits)
7. GEOG 372-372L, Introduction to GIS and Lab, (3 credits)
8. NRM 110, Introduction to Natural Resource Management (3 credits, met at NCC by completion of *ENV 140-A, Natural Resources Biology*)
9. NRM 230, Natural Resource Management Techniques (3 credits)
10. NRM 282-282L, Natural Resource Statistics and Lab (3 credits)
11. NRM 300, Laws and Policies in Natural Resource Management (3 credits)
12. NRM 311 Principles of Ecology (3 credits)
13. NRM 311L Principles of Ecology Lab (1 credit)
14. PS 243, Principles of Geology (3 credits, met at NCC by completion of *PHS 185-A, Introduction to Earth Science*)
15. RANG 374-374L, Natural Resource Habitat Conservation, Management, and Restoration and Lab (4 credits)

Major Electives: Minimum 25 credits from the list provided in the SDSU catalog.

1. NRM 200-200L, Animal Diversity and Lab (4 credits, met at NCC by completion of *BIO 130-A, Animal Biology*)
2. BOT 201-201L, General Botany and Lab (4 credits, met at NCC by completion of *BIO 125-A, Plant Biology*)
3. EES 100T, Elective (4 credits, met at NCC by completion of *ENV 145-A, Conservation Biology*)
4. At least 13 credits from the Major Electives list, which can be found in the SDSU catalog under the Ecology and Environmental Science B.S. degree requirements.

Program or General Electives: If/as needed to reach 120 credits total as required for graduation.

**Total minimum number of credits at SDSU: 60 \*\*\***

**Total allowable transfer credits from NCC: 60\*\*\***

**Total credits required: 120**

\*\*\* Additional transferable general education course credits could be completed at NCC, and would reduce the number of general education credits at SDSU. However, no more than 60 credits total can be transferred from NCC to SDSU.



Additional requirements:

- a) Students transferring from NCC must have a minimum cumulative GPA of "C" (2.0 on a 4.0 scale). Any course taken at NCC with a grade below a "C" (2.0 on a 4.0 scale) must be retaken at SDSU if required for the SDSU Ecology and Environmental Science Major.
  
- b) Waivers:
  1. Associate degree seeking students may be exempted from the proficiency examination requirement by meeting the following conditions.
    - a. Earn a Composite score of 24 or higher on the ACT examination administered by ACT Inc. (residual ACT test scores may not be used to establish a waiver); OR
    - b. Earn a verbal-mathematics score of 1090 or higher on the SAT; OR
    - c. Meet the ACT College Readiness Benchmarks by meeting or exceeding each of the sub-scores below:
      - i. Reading – 22
      - ii. English – 18
      - iii. Mathematics – 22
      - iv. Science Reasoning – 23
    - d. Testing Requirements:
      - i. To earn a waiver by relying on individual ACT sub-scores, students must meet or exceed all 4 sub-scores listed;
      - ii. Students must achieve the necessary scores on the ACT or SAT prior to their initial entry into a regionally accredited postsecondary institution (postsecondary enrollments for dual credit, concurrent credit, or Advanced Placement do not count as enrollments for the purposes of this waiver process);
      - iii. ACT & SAT scores must be recorded at a postsecondary institution within five years of taking the examination; OR
  2. Student earning an Associate from a regionally accredited postsecondary institution in the United States (or those institutions accredited through an agency recognized by the U.S. Department of Education – Board of Regents Policy 2:5 Transfer of Credit) may be waived if they earn an Associate of Arts or Associate of Science.
  
- c) The College of Agriculture & Biological Sciences requires that at least 25 credits must be from upper-division (300 or higher) courses, with the exception that MATH 125, Calculus I, and MATH 225, Calculus III, may count up to 5 credits toward the total.

#### **IV. Obligations**

Both parties agree to confer with each other on a regular basis regarding changes in curricula involved in this articulation agreement.

**V. Modifications**

This agreement may be modified from time to time by the South Dakota Board of Regents and Northwest Iowa Community College. Modifications may not diminish the entitlements enjoyed by students who have already attended classes delivered under the terms of earlier versions of the agreement, except in rare instances in which retroactive implementation of modifications may be required to comply with accreditation standards or to conform to professional licensure requirements.


**VI. Effective Date of Agreement**

This agreement will go into effect at the start of the Fall 2016 semester term at NCC and SDSU.

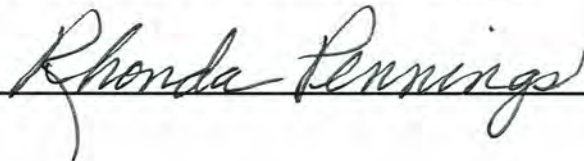
**VII. Acceptance of Agreement**

For South Dakota State University:

 Date: 6/25/2016  
\_\_\_\_\_  
Dr. Daniel Scholl  
Interim Dean, College of Agriculture & Biological Sciences

 Date: 6-27-2016  
\_\_\_\_\_  
Dr. Dennis Hedge  
Interim Provost and Executive Vice President for Academic Affairs

For Northwest Iowa Community College:

 Date: 7-22-2016  
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