

SOUTH DAKOTA BOARD OF REGENTS

Academic and Student Affairs

AGENDA ITEM: 7 – H (2)

DATE: June 28-30, 2016

SUBJECT: Articulation Agreements – SDSU

Board of Regents [Policy 2:27 Program to Program Articulation Agreements](#) establishes requirements for institutions seeking to develop program level agreements for interested transfer students. The policy further establishes the distinction between AA, AS, and AAS degrees which are classified as transferable, terminal, or non-transferable degrees (respectively). However, the AS is “transferable when a specific degree articulation agreement exists between a given A.S. degree and a specific Baccalaureate degree.” Agreements established with regionally accredited institutions must be developed in conjunction with the faculty, following all institutional guidelines and are monitored as a function of the institutional program review process. Once approved, the agreements apply only at Regental institutions with equivalent programs. To comply with BOR Policy 2:27, South Dakota State University requests approval for the following articulation agreements:

- Students completing an Associate of Science in Agricultural Education at the University of Nebraska – Nebraska College of Technical Agriculture can apply credit toward the BS in Agricultural Education, Communication, and Leadership Major: Education Specialization program at SDSU (Attachment I).
- Students completing an Associate of Science in Natural Resources Conservation at Northwest Iowa Community College can apply credit toward the BS in Ecology and Environmental Science program at SDSU (Attachment II).
- Students completing an Associate of Science in Natural Resources Conservation at Northwest Iowa Community College can apply credit toward the BS in Wildlife and Fisheries Sciences program at SDSU (Attachment III).

DRAFT MOTION 20160628_7-H(2): I move to approve the articulation agreements between South Dakota State University and the University of Nebraska – Nebraska College of Technical Agriculture; and Northwest Iowa Community College.

PROGRAM TO PROGRAM ARTICULATION AGREEMENT

with Respect to Applying the

AGRICULTURAL EDUCATION Associate of Science Degree Program

Towards the
**AGRICULTURAL EDUCATION, COMMUNICATION, AND LEADERSHIP MAJOR:
EDUCATION SPECIALIZATION
Bachelor of Science Degree Program**

Between
UNIVERSITY OF NEBRASKA – NEBRASKA COLLEGE OF TECHNICAL
AGRICULTURE
and
SOUTH DAKOTA STATE UNIVERSITY

I. Parties

The parties to this agreement are South Dakota State University (SDSU), Brookings, SD and University of Nebraska – Nebraska College of Technical Agriculture (NCTA), Curtis, NE.

II. Purpose

The purpose of this agreement is 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 NCTA students who have completed the A.S. degree in Agricultural Education an opportunity to earn a Bachelor of Science degree with a major in Agricultural Education, Communication, and Leadership: Education Specialization.

III. Academic Program

- A. Upon successful completion of the requirements specified below, SDSU will accept 60 course credits from the A.S. degree in Agricultural Education for students majoring in SDSU's Agricultural Education, Communication, and Leadership: Education Specialization. Students must successfully complete the A.S. degree in Agricultural Education from NCTA prior to transferring to SDSU in order for this agreement to apply. 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 Agricultural Education, Communication, and Leadership: Education Specialization are outlined below.

Note: Nebraska College of Technical Agriculture courses are listed in *italics* font, whereas SDSU courses are listed in normal font.

System General Education Graduation Requirements (SGR): minimum 32 credits required, all of which should be completed within the A.S. in Agricultural Education at Nebraska College of Technical Agriculture. If any of the requirements noted below as “met at NCTA” are not completed at Nebraska College of Technical Agriculture, then the student will need to complete those requirements at SDSU or by transfer of approved equivalent courses.

1. Goal #1: Written Communication:
 - a. ENGL 101, Composition I (3 credits, met at NCTA by *ENG 1903, College Composition*)
 - b. ENGL 201, Composition II (3 credits, met at NCTA by *ENG 2203, Advance Composition*)
2. Goal #2: Oral Communication: (3 credits, met at NCTA by *SPC 1113, Speech*)
3. Goal #3: Social Sciences/Diversity. (6 credits in 2 disciplines from the approved list in SDSU Bulletin.)
 - a. ECON 201 or 202, Microeconomics or Macroeconomics (3 credits, met at NCTA by *ECN 1203 Microeconomics OR ECN 1303 Macroeconomics*)
 - b. SOC 100, Sociology (met at NCTA by *SOC 1103, Introduction to Sociology*)
4. Goal #4: Arts and Humanities/Diversity (6 credits from 2 disciplines from list in SDSU Bulletin; met at NCTA by HSL 1073- Landscape Appreciation and ENG 2223- Intro to Creative Writing)
5. Goal #5: Mathematics: Math 102, College Algebra (3 credits, met at NCTA by *MTH 1503- College Algebra*)
6. Goal #6: Natural Sciences.
 - a. BIOL 101-101L, Biology Survey I and Lab (3 credits, met at NCTA by *BIO 1104 General Biology, 4 credits*)
 - b. CHEM 106-106L, Chemistry Survey and Lab (4 credits, met at NCTA by *CHM 1104, General Chemistry I*)
7. Advanced Writing requirement met by completion of major requirements below (AGED 404).
8. Globalization requirement: Met by completion of requirements listed above (SOC 100)

Institutional Graduation Requirements (IGR): minimum 5 credits required

1. IGR Goal #1: First Year Seminar (2 credits, met by completion of the A.S. in Agricultural Education at Nebraska College of Technical Agriculture)
2. IGR Goal #2: Cultural Awareness and Social and Environmental Responsibility (3 credits, met by completion of requirements below)

Major and Support Course Requirements to be Completed by Taking Electives at Nebraska College of Technical Agriculture. If any of the requirements noted below as “met as NCTA” are not completed at Nebraska College of Technical Agriculture, then the student will need to complete those requirements at SDSU or by transfer of approved equivalent courses.

1. AS 101-101L, Introduction to Animal Science and Lab (3 credits, met by *ASI 1101, Intro to Animal Science, 1 credit, AND ASI 1303 Animal Management OR AED 2503 Livestock Practicum, 3 credits*)
2. PS 103-103L, Crop Production and Lab (3 credits, met at NCTA by *AGR 2404 Crop Management OR BIO 1313 & 1321, Plant Science and Lab*)
3. PS 213-213L, Soils (3 credits, met at NCTA by *AGR 1201 and 1203, Principles of Soils and Lab, 4 credits*)
4. AS 241-241L, Introduction to Meat Science and Lab (3 credits) (met at NCTA by *ASI 2513 Meat Science, 3 credits*)
5. AS 285, Livestock Evaluation and Marketing (3 credits) (met at NCTA by *ASI 1213 Livestock & Carcass Evaluation, 3 credits*)

6. AST 211-211L, Ag and Outdoor Power for Teachers and Lab (1 credit) (met at NCTA by *AEQ 1103 Small Engines, 3 credits*)
7. AGED 491, Independent Study (Welding, 1 credit) (met at NCTA by *AEQ 1203 Welding, 3 credits*)
8. AGED 295, Practicum (1 credit) (met at NCTA by *AED 1101 Early Field Experience, 1 credit*)
9. AGEC 271, Farm and Ranch Management (4 credits) (met at NCTA by *ACT 1103 Accounting I*)
10. AGED 408, Supervision of Work Experience and Youth Organizations (2 credits) (met at NCTA by *AED 2103, Youth Programs*)

Major and Support Course Requirements to be Completed at SDSU: minimum 60 credits

1. Choose one of the following:
 - a. BIOL 103-103L, Biology Survey II and Lab (3 credits)
 - b. GEOG 132-132L, Physical Geography: Natural Landscapes and Lab (4 credits)
2. ANTH 421, Indians of North America (3 credits)
3. AST 202-202L, Construction Technology and Materials and Lab (2 credits)
4. AST 311-311L, Applied Electricity for Teachers and Lab (1 credit)
5. GEOG 131-131L, Physical Geography: Weather and Climate and Lab (4 credits)
6. HO 111-111L, Biology of Horticulture and Lab (3 credits)
7. DS 130-130L, Introduction to Dairy Science and Lab or DS 231, Dairy Foods (3 credits)
8. NRM 110, Environmental Conservation or WL 220, Introduction to Wildlife and Fisheries Management (3 credits)
9. AGED 404, Program Plan in Agricultural Education (3 credits)
10. AGED 494, Internship (1 credit)
11. AGED 405, Philosophy of Career and Technical Education (2 credits)
12. EDFN 475, Human Relations (3 credits)
13. SEED 450, 7-12 Reading and Content Literacy (2 credits)
14. EDFN 352, Teaching & Learning II (5 credits)
15. EDFN 453, Teaching & Learning III (7 credits)
16. AGED 331, Workforce Preparation (2 credits)
17. EDFN 454, Teaching & Learning IV (11 credits)
18. Additional Credits if needed to reach 120 total credits.

Total minimum number of credits at SDSU: 60

Transfer block credits from NCTA: 60

Total credits required: 120

Additional requirements:

- a. Students transferring from Nebraska College of Technical Agriculture must have a cumulative GPA of "C" (2.0 on a 4.0 scale). Any course taken at Nebraska College of Technical Agriculture with a grade below a "C" (2.0 on a 4.0 scale) must be retaken at SDSU if required for the SDSU Agricultural Education, Communication, and Leadership Major: Education Specialization.
- b. in accordance with BOR policy 2:28, students must demonstrate satisfactory performance in writing, mathematics, reading and science reasoning as evidenced by receiving a passing score on all sections of the Collegiate Assessment of Academic Proficiency (CAAP) exam. The exam must be taken during the first semester of enrollment at SDSU.

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 Nebraska College of Technical Agriculture. 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 Nebraska College of Technical Agriculture and SDSU.

VII. Acceptance of Agreement

For South Dakota State University:

Date: _____

Dean, College of Agriculture & Biological Sciences

Date: _____

Provost and Vice President for Academic Affairs

For Nebraska College of Technical Agriculture:

Date: _____

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: _____

Dr. Dan Scholl
Interim Dean, College of Agriculture & Biological Sciences

_____ Date: _____

Dr. Dennis Hedge
Interim Provost and Vice President for Academic Affairs

For Northwest Iowa Community College:

_____ Date: _____

PROGRAM TO PROGRAM ARTICULATION AGREEMENT

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

Associate of Science Degree Program

Towards the
WILDLIFE AND FISHERIES SCIENCES 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 Wildlife and Fisheries Sciences.

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 Wildlife and Fisheries Sciences 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 Wildlife and Fisheries Sciences 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 should be completed within the A.S. in Natural Resources Conservation at NCC and 4 credits 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 (met at NCC by completion of A.S. in Natural Resources Conservation)
2. IGR Goal #2 Cultural Awareness and Social and Environmental Responsibility: (3 credits, met at NCC by completion of *ENV 140-A, Natural Resources Biology*, equivalent to NRM 110, Introduction to Natural Resource Management)

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 (*ENGL 379, Technical Communication*)

Major and Support Course Requirements: Minimum 39 credits of which 7 credits should be completed at NCC and 32 credits at SDSU.

1. BIOL 151-151L, General Biology I and Lab (4 credits, met at NCC by completion of *BIO 105-A, Introductory Biology, 4 credits*).
2. BIOL 371, Genetics (3 credits) or BIOL 202-202L, Genetics and Organismal Biology and Lab (4 credits)
3. CHEM 108-108L, Organic and Biochemistry and Lab (5 credits); or CHEM 120-120L, Elementary Organic Chemistry and Lab (4 credits); or CHEM 326-326L, Organic Chemistry I and Lab (4 credits)
4. ENGL 379, Technical Communication (3 credits)
5. NRM 230, Natural Resource Management Techniques (3 credits)
6. NRM 282-282L, Natural Resource Statistics and Lab (3 credits)
7. NRM 311 Principles of Ecology (3 credits)
8. PS 243, Principles of Geology (3 credits, met at NCC by completion of *PHS 185-A, Introduction to Earth Science*)

9. RANG 374-374L, Natural Resource Habitat Conservation, Management, and Restoration and Lab (4 credits)
10. WL 220, Introduction to Wildlife and Fisheries Management (3 credits)
11. WL 411-411L, Principles of Wildlife Management and Lab (3 credits)
12. WL 412-412L, Principles of Fisheries Management and Lab (3 credits)

Botany Requirement: Met at NCC by completion of *BIO 125-A, Plant Biology (4 credits)*

Organismal Group Electives. Select 3 of the following SDSU courses:

- WL 355-355L, Mammalogy and Lab (3 credits)
- WL 363-363L, Ornithology and Lab (4 credits)
- WL 367-367L, Ichthyology and Lab (3 credits)
- WL 418-418L, Ecology of Aquatic Invertebrates (3 credits)
- WL 427-427L, Limnology and Lab (3 credits)
- WL 434, Herpetology (3 credits)

Advanced Group Electives. Three courses total required, including *ENV 145-A, Conservation Biology (4 credits)* completed at NCC. Select 2 of the following SDSU courses:

- EES 425-425L, Disturbance and Restoration Ecology and Lab (3 credits)
- EES 430-430L, Biological invasions and Lab (3 credits)
- NRM 450-450L, Freshwater Monitoring and Assessment and Lab (3 credits)
- NRM 464, Ecosystem Ecology (3 credits)
- NRM 466-466L, Ecotoxicology and Contaminants and Lab (3 credits)
- NRM 482-482L, Natural Resource Management Biometry (3 credits)
- RANG 321, Wildland Ecosystems (3 credits)
- WL 415-415L, Upland Game Ecology and Management and Lab (3 credits)
- WL 417-417L, Large Mammal Ecology and Management and Lab (3 credits)
- WL 419-419L, Waterfowl Ecology and Management and Lab (3 credits)
- WL 421, Grassland Fire Ecology (3 credits)
- WL 425-425L, Wildlife Nutrition and Disease and Lab (3 credits)
- WL 429-429L, Ecology of Fishes and Habitat and Lab (3 credits)
- WL 431-431L, Advanced Fisheries Management and Lab (3 credits)

Human Dimensions Requirement:

1. WL 430-430L, Human Dimensions in Wildlife and Fisheries and Lab (3 credits)
2. NRM 300, Laws and Policies in Natural Resource Management, or WL 420-420L, Wildlife Law and Enforcement and Lab (3 credits)

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 Wildlife and Fisheries Sciences 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: _____
Dr. Dan Scholl
Interim Dean, College of Agriculture & Biological Sciences

_____ Date: _____
Dr. Dennis Hedge
Interim Provost and Vice President for Academic Affairs

For Northwest Iowa Community College:

_____ Date: _____