

## **PROGRAM TO PROGRAM ARTICULATION AGREEMENT**

Between  
NORTHEAST COMMUNITY COLLEGE  
and  
SOUTH DAKOTA STATE UNIVERSITY

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Agreement with Respect to Applying the  
**Associate of Applied Science (A.A.S.) Degree in  
Agronomy**  
Towards the  
**Bachelor of Science, major in Agronomy**

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### **I. Parties**

Parties to this agreement are Northeast Community College (NORTHEAST) and South Dakota State University (SDSU)

### **II. Purpose**

The purpose of this agreement is to:

- A. have a signed articulation agreement that addresses the varying needs of students and complementary nature of the institution's programs;
- B. provide increased educational opportunities for students from South Dakota and the region.
- C. extend and clarify educational opportunities for students; and
- D. provide NORTHEAST graduates of the A.A.S degree in Agronomy Option an opportunity to earn a Bachelor of Science degree with a major in Agronomy.

### **III. Academic Program**

- A. Upon successful completion of the major requirements specified in III, SDSU will accept 43 technical course credits as a block from the A.A.S. degree. Transferable prerequisite and general education credits meeting South Dakota Board of Regents (SDBOR) and SDSU transfer requirements may be earned at NORTHEAST and are in addition to the 43 technical Agronomy course block credits.

No more than a total of 60 credits may be transferred from NORTHEAST to SDSU. At least 65 credits must be completed at SDSU. Students must meet all SDBOR and SDSU policies and graduation requirements to earn the Bachelor of Science degree.

#### **B. General Education Requirements (SGRs) 30-34 credits**

Transferrable general education requirements in the Agronomy Option curriculum are *italicized* and listed next to the SDSU requirement in the table below. Additional (not required for Agronomy) transferrable general education credits could be transferred if the courses meet SDBOR and SDSU guidelines.

SDSU General Education Requirements. NORTHEAST Required Coursework: 6 credits

SGR Goal	SDSU Course(s)	Cr	NORTHEAST Course	Cr
SGR Goal #1 Written Communication	Select from SDSU Catalog	6		
SGR Goal #2 Oral Communication	Select from SDSU Catalog	3		
SGR Goal #3 Social Sciences	ECON 201 or ECON 202	3	<i>AGRI 1410 Introduction to the Economics of Agriculture</i>	3
	SGR #3 Non-ECON course	3	<i>AGRI 1420 Interpersonal Skills</i>	3
SGR Goal #4 Arts and Humanities	Select from SDSU Catalog	6		
SGR Goal #5 Mathematics	MATH 114 (3) or MATH 115 (5) or MATH 120 (3)	3-5		
SGR Goal #6 Natural Sciences	BIOL 101-101L (3) or BIOL 151-151L (4)	3-4		
	BIOL 103-103L or BOT 201-201L or BIOL 153-153L	3-4		

a. **General Education and Supporting Requirements to be completed at SDSU: 24-28 credits**

- i. SGR#1: Select from SDSU Catalog (6 cr)
- ii. SGR#2: Select from SDSU Catalog (3 cr)
- iii. SGR#4: Select from SDSU Catalog (6 cr)
- iv. SGR#5: MATH 114 College Algebra (3 cr),  
or MATH 115 Precalculus (5 cr),  
or MATH 120 Trigonometry (3 cr)
- v. SGR#6: BIOL 101-101L Biology Survey I and Lab (3 cr),  
or BIOL 151-151L General Biology and Lab (4 cr)
- vi. SGR#6: BIOL 103-103L Biology Survey II and Lab (3 cr),  
or BIOL 153-153L General Biology II and Lab (4 cr),  
or BOT 201-201L General Botany and Lab (3 cr)

**C. Major Requirements for the Agronomy B.S. 50-59 credits**

1. ABS 475 - Integrated Natural Resource Management (3 cr)
2. PS 405-405L Entomology and Lab (3 cr) or  
PS 407-407L Insect Pest Management (3 cr)
3. PRAG 423 - Soil Fertility and Plant Nutrient Management (3 cr)

4. PS 445-445L - Weed Science and Lab (3 cr)
5. PS 494 - Internship (1 cr)
6. PS 490 - Seminar-Internship (1 cr)
7. BOT 327-327L - Plant Physiology and Lab (4 cr) **or**  
BOT 419/419L - Plant Ecology and Lab (3 cr)
8. CHEM 106-106L Chemistry Survey and Lab (4 cr) **or**  
CHEM 112-112L General Chemistry I and Lab (4 cr)
9. CHEM 108/L Organic and Biochemistry and Lab (5 cr) **or**  
CHEM 120/L Elementary Organic and Lab (3 cr)
10. PHYS 101-101L - Survey of Physics and Lab (4 cr) **or**  
PHYS 111-111L - Introduction to Physics I and Lab (4 cr)
11. \*PS 421-421L - Soil Micro/Lab (3 cr) **and** \*PS 492 Topics in Soil Micro (1 cr) **or**  
MICR 231-231L - General Microbiology and Lab (4 cr)
12. \*PS 383-383L - Principles of Crop Improvement and Lab (3 cr) **or**  
BIO 202-202L - Genetics/Organismal Biology and Lab (4 cr) **or**  
BIO 371 – Genetics (3 cr)
13. STAT 281 - Introduction to Statistics (3 cr)
14. **Natural Resources Stewardship Elective (3 – 4 cr, choose one not used elsewhere in the major)**
  - a. \*ABS 203 - Global Food Systems (3 cr)
  - b. ABS 482 - International Experience (3 cr)
  - c. BIOL/PHIL 383 – Bioethics (4 cr)
  - d. \*PRAG 310 – Sustainable Agriculture (3 cr)
  - e. \*PRAG 410-410L - Soil Geog/Land Use Interpret + Studio (3 cr)
  - f. \*PS 243 - Principles of Geology (3 cr)
  - g. \*PS 407-407L - Insect Pest Management and Lab (3 cr)
  - h. \*PS 462-262L - Environmental Soil Management and Lab (3 cr)
15. **Precision Ag Elective (2 - 3 cr, choose one not used elsewhere in the major)**
  - a. AST 426-426L – Technol. Applications in Precision Ag. and Lab (3 cr)
  - b. PRAG 203-203L - Introduction to Precision Agriculture (3 cr)
  - c. \*PRAG 427 - Precision Ag Data Mapping (2 cr)
  - d. \*PRAG 440-440L - Crop Management with Precision Farming and Lab (3 cr)
16. **Agronomy, Horticulture and Plant Science Electives (7-10 cr).** Must complete at least 2 credits from each of three areas as noted in current SDSU Catalog: Crops, Plant Protection, Soils/Environmental Protection

**D. Electives: As needed to reach 125 credits total**

**TOTAL NE CC CREDITS: 49**

Technical course block credits: 43

Transferrable general education credits: 6

**TOTAL SDSU CREDITS: 76-87**

General education and supporting courses:	<b>24-28</b>
Agronomy major requirements:	<b>50-59</b>
Electives:	<b>0-2</b>

**TOTAL CREDITS REQUIRED: 125**

**Additional Requirements:**

1. Students transferring from NORTHEAST must have a cumulative GPA of 2.5 or higher.
2. A student must have a 2.5 GPA or higher and a grade of C or higher in the courses used to satisfy the Agronomy core curriculum in order to graduate with a major in Agronomy.
3. Credit for technical course transfer requires that the student has completed the Associate in Agronomy degree.
4. Courses with an \* by them can only be used once (only in one area) in the major.
5. Student must be admitted to South Dakota State University
6. Student must complete all pre-requisite requirements.

**IV. Obligations**

Both parties agree to confer with each other as needed regarding changes in curricula involved in this Articulation Agreement.

**V. Modifications**

This agreement may be modified from time to time by SDSU and NORTHEAST. Modifications may not diminish the entitlements enjoyed by students who have already attended classes delivered under the terms of earlier versions of this agreement, except in rare instances in which retroactive implementations of modifications may be required to comply with accreditation standards or to conform to professional licensure requirements.

**IV. Effective Date of Agreement**

This agreement shall be in effect upon approval by all parties.

**VII. Acceptance of Agreement**

**For South Dakota State University**

DocuSigned by:  
Joe Cassidy Date: 4/1/2024 | 06:30 PDT  
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**Dean of College of Agriculture, Food and Environmental Sciences**

DocuSigned by:  
Dennis Hedge Date: 4/1/2024 | 08:32 CDT  
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**Provost/Vice President for Academic Affairs**

**For Northeast Community College**

Mallara Maple Date: 3/28/24  
Registrar  
  
Date: \_\_\_\_\_