Mid-State Technical College Agronomy (AAS) to South Dakota State University Agricultural Systems Technology (BS)

SDSU General Education Requirements			MSTC Required Coursework: 13 credits	
SGR Goal	SDSU Course(s)	Cr	MSTC Course	Cr
SGR Goal #1 Written Communication	Select from SDSU Catalog	6	*10-801-136 English Composition I*	*3*
SGR Goal #2 Oral Communication	Select from SDSU Catalog	3	*10-801-198 Speech*	*3*
SGR Goal #3 Social Sciences	ECON 202 or ECON 201 ABS 203 or SOC 100 or SOC 150 or SOC 240	3 3		
SGR Goal #4 Arts and Humanities	Select from SDSU Catalog	6	*10-809-166 Intro to Ethics: Theory and Application*	*3*
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 **or** BIOL 151-151L BIOL 103-103L **or** BOT 201-201L **or** BIOL 153-153L	3-4 3-4	*10-806-114 General Biology*	*4*

C. General Education and Supporting Requirements to be completed at SDSU: 18-21 credits

1. SGR#1: Select from SDSU Catalog (3 cr) *(could be met at MSTC by completion of 20-801-223 English 2, 3 cr)*
2. SGR#3 ECON 201 or ECON 202 (3 cr)
3. SGR#3 ABS 203 Global Food Systems (3 cr) or SOC 100 Introduction to Sociology (3 cr) or SOC 150 Social Problems (3 cr) or SOC 240 The Sociology of Rural America (3 cr)
4. SGR#4: Select from SDSU Catalog (3 cr)
5. SGR#5: MATH 114 College Algebra (3 cr), or MATH 115 Precalculus (5 cr), or MATH 120 Trigonometry (3 cr)
6. 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)

D. Major Requirements for the Agronomy B.S. 33-35 credits
1. ABS 475 - Integrated Natural Resource Management (3 cr)
2. PS 223-223L Principles of Plant Pathology and Lab (3 cr)
3. *PS 405-405L Entomology and Lab (3 cr) or *PS 407-407L Insect Pest Management (3 cr)
4. PRAG 423 - Soil Fertility and Plant Nutrient Management (3 cr)
5. PS 445-445L - Weed Science and Lab (3 cr)

6. PS 490 - Seminar-Internship (1 cr)
7. PS 494 – Internship (1 cr)
8. **<u>Natural Resources Stewardship Elective (3 – 4 cr, choose one not used elsewhere in the major)</u>**
   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)
9. **Agronomy, Horticulture and Plant Science Electives** (13 cr). Must complete at least 2 credits from each of three areas as noted in current SDSU Catalog: Crops, Plant Protection, Soils/Environmental Protection
10. BOT 327-327L - Plant Physiology and Lab (4 cr) **or** BOT 419/419L - Plant Ecology and Lab (3 cr)
11. CHEM 106-106L Chemistry Survey and Lab (4 cr) **or** CHEM 112-112L General Chemistry I and Lab (4 cr)
12. CHEM 108/L Organic and Biochemistry and Lab (5 cr) **or** CHEM 120/L Elementary Organic and Lab (3 cr)
13. PHYS 101-101L - Survey of Physics and Lab (4 cr) **or** PHYS 111-111L - Introduction to Physics I and Lab (4 cr)
14. *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)
15. *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)
16. STAT 281 - Introduction to Statistics (3 cr)
17. AGEC 354 - Agricultural Marketing and Prices (3 cr), **or** AS 285-285L - Livestock Evaluation and Marketing and Lab (3 cr), **or** MKTG 474 - Personal Selling (3 cr), **or** ENGL 379 – Technical Communication (3 cr)

E. **Electives: as needed to reach 125 credits total**

   TOTAL MSTC CREDITS: 47
   > Agribusiness Science and Technology block credits: 34
   > Transferable general education credits: 13

   TOTAL SDSU CREDITS: 81-90
   > General education and supporting courses: 18-21
   > Agronomy Major: 33-35

Additional Requirements:

1. Students transferring from MSTC must have a cumulative GPA of 2.5 or higher.

2. Agronomy Core (Major Requirements #1 – 8) must be a C or better in each course, and the GPA for those courses must be ≥ 2.5
3. Course grades of "C" and above meet the College of Agriculture, Food and Environmental Sciences requirements.
4. Credit for technical course transfer requires that the student has completed the Agribusiness Science and Technology degree.
5. Courses with an * by them can only be used once (only in one area) in the major.
6. Student must be admitted to South Dakota State University
7. Student must complete all pre-requisite requirements.