

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

SDSU General Education Requirements. MSTC Required Coursework: 12 credits

SGR Goal	SDSU Course(s)	Cr	MSTC Course	Cr
SGR Goal #1 Written Communication	Select from SDSU Catalog	6	<i>10-801-136 English Composition I</i>	3
SGR Goal #2 Oral Communication	Select from SDSU Catalog	3	<i>10-801-198 Speech</i>	3
SGR Goal #3 Social Sciences	ECON 201	3	<i>10-809-198 Intro to Psychology OR 10-809-188 Developmental Psychology</i>	3
	Non-ECON course from SDSU SGR#3	3		
SGR Goal #4 Arts and Humanities	Select from SDSU Catalog	6	<i>10-809-166 Intro to Ethics: Theory and Application</i>	3
SGR Goal #5 Mathematics	MATH 114 (3)	3		
SGR Goal #6 Natural Sciences	PHYS 101-101L	4		
	CHEM 106-106L or CHEM 112-112L	4		

**C. General Education and Supporting Requirements to be completed at SDSU: 20 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 (3 cr)
3. SGR#4: Select from SDSU Catalog (3 cr)
4. SGR#5: MATH 114 College Algebra (3 cr)
5. SGR#6: PHYS 101-101L Survey of Physics I and Lab (4 cr)
6. SGR#6: CHEM 106-106L Chemistry Survey and Lab (4 cr) or CHEM 112-112L General Chemistry I and Lab (4 cr)

**D. Major Requirements for the Agricultural Systems Technology B.S. 54 credits**

1. AST 213-213L - Ag, Industrial and Outdoor Power & Lab (3 cr) **or** AST 313-313L Farm Machinery Systems Management & Lab (3 cr)
2. ACCT 210 – Principles of Accounting I (3 cr)
3. AST 342-342L – Applied Electricity & Lab (3 cr)
4. AST 390 – Seminar (1 cr)
5. AST 426-426L – Technology Applications for Precision Agriculture and Lab (3 cr)
6. PRAG 340 – Climate Risk Management with Precision Agriculture (3 cr)
7. GE 121 - Engineering Design Graphics I (1 cr) & GE 123 - Computer Aided Drawing (1 cr) **or** PRAG 427 Precision Ag Data Mapping (2 cr)
8. AST 333-333L – Soil and Water Mechanics & Lab (3 cr)
9. BLAW 350 – Legal Environment of Business (3 cr)
10. AST 412-412L – Fluid Power Technology & Lab (3 cr)
11. AST 423-423L – Rural Structures & Lab (3 cr)

12. AST 443-443L – Food Processing and Engineering Fundamentals and Lab (3 cr)
13. AST 463 – Agricultural Waste Management (3 cr)
14. AST 494 – Internship (1 cr) **or** AST 496 – Field Experience (1 cr) **or** – AST 497 – Cooperative Education (1 cr)
15. MATH 120 – Trigonometry (3 cr)
16. Technical Elective – 14 credits from one of the emphasis areas – Business, Farm Operations, Precision Ag, or Processing. See SDSU Course Catalog for list.

**E. Electives: as needed to reach 120 credits total**

**TOTAL MSTC CREDITS: 46**

Agribusiness Science and Technology block credits: 34

Transferable general education credits: 12

**TOTAL SDSU CREDITS: 74**

General education and supporting courses: 20

Agricultural Systems Technology Major: 54

**TOTAL CREDITS REQUIRED: 120**

**Additional Requirements:**

1. Students transferring from MSTC must have a cumulative GPA of 2.5 or higher.
2. Course grades of “C” and above meet the College of Agriculture, Food and Environmental Sciences requirements.
3. Credit for technical course transfer requires that the student has completed the Agribusiness Science and Technology degree.
4. Student must be admitted to South Dakota State University
5. Student must complete all pre-requisite requirements.