

# Agriculture • General Science Option

## Dual Degree with South Dakota State University at Lake Area Tech

### Semester Course Outline • 2023 – 2024

18 Months (4 Semesters) • Revised: 1/13/23

Associate of Applied Science (A.A.S.) Degree from Lake Area Tech

Associate of Science (A.S.) Degree from South Dakota State University

Credits Required for Graduation: 74



#### First Year – Fall Semester (Required)

Course Number	Course Title	Clock Hours	Credits
AG 100	Soil Science	45	3
AG 102	Crop Science	45	3
AGR 110	Animal Science	45	3
AGR 233	Commodity Futures and Options	45	3
• Selected General Education Course		45	3
• Selected General Education Course		45	3
<b>Total</b>		270	18

#### First Year – Spring Semester

Students will select nine (9) credits from the Yellow/Pink courses below. All course are nine (9) weeks in length.

Course Number	Course Title	Clock Hours	Credits
AG 126	Weed Management	45	3
AG 135	Farm Power and Engines	56	2
AGR 121	Intro to Precision Ag	45	3
AGR 156	Farm Management I	45	3
AGR 170	Dairy Science	45	3
AG 122	Fertilizers	45	3
AG 124	Ag Chemicals	45	3
AGR 116	Sheep and Goat Production	28	1
AGR 118	Soil and Water Management	45	3
AGR 156	Farm Management I	45	3
AGR 178	General Science Supervised Occupational Experience I (Required)	360	6
• Selected General Education Course (Required)		45	3
<b>Total</b>		-----	18

**Semester Course Outline • 2023 – 2024**

**Second Year – Fall Semester**

**Students will select nine (9) credits from the Yellow/Pink courses below.**

Course Number	Course Title	Clock Hours	Credits
AGR 236	Business Management I	45	3
AGR 251	Intro to Range/Plant Management	30	2
AGR 120	Seed and Grain Technology	56	2
AGR 211	Animal Anatomy	45	3
AGR 215	Advanced Fertilizers, Soils, and Waste Management	45	3
AGR 232	Farm Management II	45	3
AGR 235	Commodity Merchandising	45	3
AGR 254	Beef Production	30	2
AGR 262	Precision Ag/Data Collection	56	2
AGR 265	Farm Machinery Components	30	2
BUS 236	Financial Management	45	3
• Selected General Education Course (Required)		45	3
• Selected General Education Course (Required)		45	3
<b>Total</b>		-----	18

**Second Year – Spring Semester**

**Students will select nine (9) credits from the Yellow/Pink courses below. All course are nine (9) weeks in length.**

Course Number	Course Title	Clock Hours	Credits
AG 226	Commodity Marketing	45	3
AGR 210	Forages and Grasses	45	3
AGR 212	Plant Disease/Insect ID and Control	45	3
AGR 223	Advanced Computer Applications for Ag	45	3
AGR 261	Livestock Marketing and Evaluation	45	3
AG 216	Farm Power/Electrical Wiring	56	2
AGR 162	Co-op Principles	30	2
AGR 163	Principles of Selling	45	3
AGR 210	Forages and Grasses	45	3
AGR 227	Precision Ag Tools	45	3
AGR 237	Business law Supervision	45	3
AGR 252	Advanced Nutrition	45	3
AGR 278	General Science Supervised Occupational Experience II (Required)	360	6
• Selected General Education Course (Required)		45	3
<b>Total</b>		-----	18

**Semester Course Outline • 2023 – 2024**

**Important Information**

1. Students must successfully complete a total of 18 credits from the yellow coursework in order to meet graduation requirements for the dual degree.

Any online SDSU courses prefixed ABS, AGECE, AGED, AS, AST, DS, EES, FS, HO, NRM, PS, RANG, VET, and WL can be substituted for yellow coursework.

2. Students must successfully complete a total of 24 credits from the pink coursework in order to meet the graduation requirements for the dual degree.

3. Students must successfully complete the 12 credits of Supervised Occupational Experience in order to meet graduation requirements for the dual degree.

- 4. Students must successfully complete a total of 18 General Education Credits as outlined below:

A. The general education coursework to meet the Board Of Regents' System General Education Requirements (SGRs) for the A.S. degree must be completed as outlined below (18 credits). All courses noted with \* are part of the approved transferrable general education curriculum.

- i. SGR Goal # 1 Written Communication: ENGL 101 – Composition I\*, 3 credits
- ii. SGR Goal # 2 Oral Communication: CMST 101 – Fundamentals of Speech\*, 3 credits
- iii. SGR Goal # 3 Social Sciences/Diversity: 3 credits (SOC 100 – Introduction to Sociology\*, ECON 201 – Principles of Microeconomics\*, and ECON 202 – Principles of Macroeconomics\* are offered at LATI)
- iv. SGR Goal # 4 Humanities and Arts/Diversity: 3 credits (ENGL 210 – Introduction to Literature\* is offered at LATI)
- v. SGR Goal # 5 Mathematics: MATH 114 – College Algebra\*, 3 credits
- vi. SGR Goal # 6 Natural Sciences, 3 credits – BIOL 101/101L – Biology Survey I and Lab (SDSU course online) or CHEM 106/106L – Chemistry Survey and Lab\* or CHEM 108/108L – Organic and Biochemistry and Lab\* (prerequisite: CHEM 106/106L)

4. The Dual Degree Agreement is listed on the Lake Area Tech website under Academics/Agriculture/General Agriculture – Dual Degree.