

Agriculture • General Science Option

Dual Degree with South Dakota State University at Lake Area Tech

Semester Course Outline • 2024 – 2025

18 Months (4 Semesters) • Revised: 1/17/24

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 |
| Total | | 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 |
| Total | | ----- | 18 |



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 |
| Total | | ----- | 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 |
| Total | | ----- | 18 |



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.