

Agriculture • Agri-Business Option

Semester Course Outline • 2023 – 2024

20 Months (4 Semesters, 1 Summer Session) • Revised: 1/13/23

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 77



First Year – Fall Semester

| Course Number | Course Title | Clock Hours | Credits |
|---|-------------------------------------|-------------|---------|
| AG 100 | Soil Science | 45 | 3 |
| AG 102 | Crop Science | 45 | 3 |
| AGR 105 | Ag Safety | 28 | 1 |
| AGR 110 | Animal Science | 45 | 3 |
| AGR 233 | Commodity Futures and Options | 45 | 3 |
| CSC 102 | Window Applications for Technicians | 45 | 3 |
| <ul style="list-style-type: none"> Selected Communications Course (Choose one) CMST 101 – Fundamentals of Speech * (CSS 100 – Career Search Strategies .5 credit) COMM 101 – Communications and Career Strategies ENGL 101 – Composition * (CSS 100 – Career Search Strategies .5 credit) | | 45 | 3 |
| Total | | 298 | 19 |
| Optional Courses Available | | | |
| CDL 100 | CDL Written Preparation | 15 | 1 |
| CDL 105 | CDL Vehicle Inspection | 28 | 1 |
| CDL 110 | CDL Drivers Training | 56 | 2 |

First Year – Spring Semester

| Course Number | Course Title | Clock Hours | Credits |
|--|---|-------------|---------|
| AG 122 | Fertilizers | 45 | 3 |
| AG 124 | Ag Chemicals | 45 | 3 |
| AGR 118 | Soil and Water Management | 45 | 3 |
| AGR 163 | Principles of Selling | 45 | 3 |
| AGR 165 | Business Supervised Occupational Experience I | 360 | 6 |
| <ul style="list-style-type: none"> Selected Mathematics Course (Choose one) MATH 100 – Applied General Math MATH 101 – Intermediate Algebra MATH 114 – College Algebra * | | 45 | 3 |
| Total | | 585 | 21 |

First Year – Summer Session

| Course Number | Course Title | Clock Hours | Credits |
|---------------|--|-------------|---------|
| AGR 167 | Business Supervised Occupational Experience II | 300 | 5 |
| Total | | 300 | 5 |

Semester Course Outline • 2023 – 2024

Second Year – Fall Semester

| Course Number | Course Title | Clock Hours | Credits |
|--|---|-------------|---------|
| AG 214 | Ag Chemical Equipment | 30 | 2 |
| AGR 120 | Seed and Grain Technology | 56 | 2 |
| AGR 236 | Business Management I | 45 | 3 |
| ACCT 210 | Principles of Accounting I | 45 | 3 |
| ● Selected Behavioral Science Course (Choose one) PSYC 100 – Psychology of Human Relations PSYC 101 – General Psychology * | | 45 | 3 |
| Total | | 307 | 17 |
| Choose two (2) of the following: | | | |
| AG 200 | Animal Nutrition | 30 | 2 |
| AGR 202 | Livestock Nutrition Problems | 56 | 2 |
| AGR 215 | Advanced Fertilizers, Soils, and Waste Management | 45 | 3 |
| AGR 262 | Precision Agriculture/Data Collection | 56 | 2 |

Second Year – Spring Semester

| Course Number | Course Title | Clock Hours | Credits |
|---|---|-------------|---------|
| AG 247 | Business Supervised Occupational Experience III | 360 | 6 |
| AGR 237 | Business Law/Supervision | 45 | 3 |
| ECON 201 | Principles of Microeconomics I | 45 | 3 |
| Choose two (2) of the following: | | | |
| AGR 162 | Co-op Principles | 30 | 2 |
| AGR 170 | Dairy Science | 45 | 3 |
| AGR 204 | Animal Health II | 45 | 3 |
| AGR 210 | Forages and Grasses | 45 | 3 |
| AGR 212 | Plant Diseases/Insect ID and Control | 45 | 3 |
| AGR 239 | Microsoft Excel for Ag | 28 | 1 |
| AGR 252 | Advanced Nutrition | 45 | 3 |
| Total | | 508 | 15 |

All optional courses not listed on your current program semester outline must be approved by your adviser and appropriately identified on the current semester outline of any Ag option.

- Students will select a course in each of the areas listed to meet general education requirements. Courses marked with an asterisk (*) can be transferred directly to the university system. Students should speak with an advisor before doing so.

Students who select to take transferable communications course CMST 101 or ENGL 101, must also register for CSS 100 – Career Search Strategies for .5 credit. This curriculum is required for all Lake Area Tech graduates and is included in the COMM 101 course but is separate from the university system.