

Agriculture • Agri-Production Option

Semester Course Outline • 2024 – 2025

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

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 76



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 – Foundations of Communication * (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 106 or AG 122	Animal Health I or Fertilizers	45	3
AG 135	Farm Power and Engines	56	2
AG 124	Ag Chemicals	45	3
AGR 156	Farm Management I	45	3
AGR 169	Production Supervised Occupational Experience I	360	6
<ul style="list-style-type: none"> Selected Behavioral Science Course (Choose one) PSYC 100 – Psychology of Human Relations PSYC 101 – General Psychology * 		45	3
Total		596	20



Second Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
AGR 232	Farm Management II	45	3
AGR 241	Farm Machinery	60	4
AGR 266	Farm Construction	56	2
ACCT 210	Principles of Accounting I	45	3
<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
Choose two (2) of the following courses:			
AG 200	Animal Nutrition	30	2
AGR 120	Seed and Grain Technology	56	2
AGR 202	Livestock Nutrition Problems	56	2
AGR 215	Advanced Fertilizers, Soils, and Waste Management	84	3
AGR 254	Beef Production	30	2
Total		295	19
Optional Course Available			
AGR 180	Artificial Insemination (AI) Certification	28	1

Second Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
AG 216	Farm Power/Electrical Wiring	56	2
AG 226	Commodity Marketing	45	3
AGR 212	Plant Diseases/Insect ID and Control	45	3
AGR 249	Production Supervised Occupational Experience II	360	6
<ul style="list-style-type: none"> Selected Social Science Course (Choose one) ECON 105 – Leadership in the Global Workplace ECON 201 – Principles of Microeconomics I * ECON 202 – Principles of Macroeconomics II * SOC 100 – Introduction to Sociology * 		45	3
Choose one (1) of the following courses:			
AG 122	Fertilizers	45	3
AGR 204	Animal Health II	45	3
AGR 210	Forages and Grasses	45	3
AGR 239	Microsoft Excel for Ag	28	1
AGR 252	Advanced Nutrition	45	3
Total		579	18

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.