Agriculture • Livestock Production and Management E-Degree

Semester Course Outline • 2020 – 2021

18 Months (4 Semesters) • Revised: 6/16/20

Associate of Applied Science (A.A.S.) Degree • Credits Required for Graduation: 73

LAKE AREA TECH COLLEGE

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
• Selected Communications Course (Choose one) COMM 101 – Communications and Career Strategies ENGL 101 – Composition * (CSS 100 – Career Search Strategies .5 credit) SPCM 101 – Fundamentals of Speech * (CSS 100 – Career Search Strategies .5 credit)		45	3
	Total	298	19
Optional Courses Available			
AGR 150	Commercial Driver's License Preparation	28	1

First Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
AG 106	Animal Health I	45	3
AGR 101	Basic Animal Husbandry	42	1.5
AGR 103	Breeding Practices and Techniques	42	1.5
AGR 117	Livestock Production and Management Supervised Occupational Experience (SOE)	360	6
AGR 156	Farm Management I	45	3
• Selected Behavioral Science Course (Choose one) PSYC 100 – Psychology of Human Relations PSYC 101 – General Psychology *		45	3
Selected Specialization Course (Choose at least one)			
AGR 107	Equine Science	45	3
AGR 116	Sheep and Goat production	28	1
AGR 149	Swine Science	45	3
AGR 170	Dairy Science	45	3
	Total	607	19
Optional Courses Available			
AG 122	Fertilizers	45	3
AGR 118	Soil and Water Management	45	3
AGR 180	Artificial Insemination (AI) Certification	28	1

Second Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
AG 200	Animal Nutrition	30	2
AGR 202	Livestock Nutrition Problems	56	2
AGR 211	Animal Anatomy	45	3
● 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
Selected Specialization Course (Choose at least three)			
AGR 201	Medical Terminology	45	3
AGR 209	Biologics and Pharmaceuticals	56	2
AGR 232	Farm Management II	45	3
AGR 251	Intro to Range/Plant Management	30	2
AGR 254	Beef Production	30	2
AGR 255	Dairy Herd Management	56	2
AGR 268	Swine Nursery Finishing Management	30	2
	Total	266	16
Optional Course Available			
AGR 215	Advanced Fertilizers, Soils, and Waste Management	45	3

Second Year – Spring Semester

Course Number	Course Title	Clock Hours	Credits
AGR 204	Animal Health II	45	3
AGR 237	Business law Supervision	45	3
AGR 252	Advanced Nutrition	45	3
AGR 263	Livestock Production and Management Supervised Occupational Experience (SOE)	360	6
● Selected Mathematics Course (Choose one) MATH 100 – Applied General Math MATH 101 – Intermediate Algebra MATH 114 – College Algebra *		45	3
Selected Specialization Course (Choose at least one)			
AGR 210	Forages and Grasses	45	3
AGR 239	Microsoft Excel for Ag	28	1
AGR 257	Milk Production	28	1
AGR 261	Livestock Marketing and Evaluation	45	3
	Total	225	19
Optional Course Available			
AGR 212	Plant Diseases/Insect ID and Control	45	3

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 ENGL 101 or SPCM 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.