Agriculture · Dairy Option

Semester Course Outline · 2023 – 2024
18 Months (4 Semesters) · Revised: 1/13/22
Associate of Applied Science (A.A.S.) Degree · Credits Required for Graduation: 76

LAKE AREA
TECHNICAL 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)
  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

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 156	Farm Management I	45	3
AGR 157	Dairy Supervised Occupational Experience I	360	6
AGR 170	Dairy Science	45	3

● Selected Behavioral Science Course (Choose one)
  PSYC 100 – Psychology of Human Relations
  PSYC 101 – General Psychology *
		45	3

	Total	624	21

Semester Course Outline • 2023 – 2024

Second Year – Fall Semester

Course Number	Course Title	Clock Hours	Credits
AG 200	Animal Nutrition	30	2
AGR 201	Medical Terminology	45	3
AGR 202	Livestock Nutrition Problems	56	2
AGR 205	Treatment of Injuries and Sample Collection	84	3
AGR 209	Biologics and Pharmaceutical Administration	56	2
AGR 211	Animal Anatomy	45	3
AGR 255	Dairy Herd Management	56	2

● 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

	Total	417	20
Optional Course Available			
AGR 180	Artificial Insemination (AI) Certification	28	1

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 239	Microsoft Excel for Ag	28	1
AGR 257	Milk Production	28	1
AGR 259	Dairy Supervised Occupational Experience II	360	6

● Selected Mathematics Course (Choose one)
    MATH 100 – Applied General Math
    MATH 101 – Intermediate Algebra
    MATH 114 – College Algebra *
		45	3

	Total	551	17
Optional Courses Available			
AGR 210	Forages and Grasses	45	3
AGR 252	Advanced Nutrition	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 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.