

# Minnesota Articulated College Credit (ACC) Agreement

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**Agreement Name**                      **Livestock Production**

**Agreement Last Reviewed**   **Fall 2024**

**Next Review Date**                **Fall 2026**

College Courses				
Class	Title	School	Credits	
AGRI 1101	Introduction to Animal Science	Minnesota West Community & Technical College	2.0	of 3.0
AGRI 1810	Introductory Animal Science	Ridgewater College	2.0	of 3.0
ANSC 1100	Livestock Production Principles	South Central College	2.0	of 3.0

## Curriculum Content Objectives

To receive credit, students will be introduced to 100% of the following content objectives:

1. Describe the animal industry
2. Describe ruminant and non-ruminant digestive systems
3. Describe livestock nutrition
4. Describe animal reproduction
5. Describe animal selection principles
6. Describe livestock markets
7. Describe market classes and grades
8. Describe livestock financial management (budgeting)
9. Describe meat consumption - macro/micro markets
10. Describe meat processing/technology
11. Describe animal welfare/rights
12. Describe the horse industry and its uses in agriculture
13. Describe alternative livestock production
14. Describe alternative livestock management practices
15. Identify farm animal anatomical parts
16. Explain livestock safety, comfort zone, handling, and behavioral considerations
17. Describe human safety concerns with animal diseases — zoonosis
18. Describe livestock shelter and facilities
19. Describe livestock manure management
20. Identify major beef breeds
21. Describe beef production systems
22. Describe cattle management efficiencies
23. Identify major swine breeds
24. Describe swine production practices
25. Describe hog management efficiencies
26. Identify common sheep and goat breeds
27. Describe sheep and goat production systems

28. Describe sheep and goat management efficiencies
29. Describe poultry production alternatives
30. Describe poultry management efficiencies
31. Describe the dairy industry
32. Identify major dairy breeds
33. Describe approved dairy management efficiencies
34. Describe quality assurance
35. Identify current issues/trends in livestock production and livestock selection
36. Describe chronological vs. physiological growth
37. Identify animal health issues
38. Identify biosecurity concerns

### **Assessments**

Students must achieve no less than 80% or B for a final grade in the high school course to receive ACC.

### **ACC Concept**

Through Articulated College Credit (ACC), specific college curriculum content goals and assessments are embedded in participating high school career and technical education (CTE) programs as specified in this agreement. Relevant knowledge, skills, and standards are taught by qualified CTE high school instructor(s) in one or more high school course. ACC is awarded if the student meets the college equivalency standards and later enrolls in the college(s) listed below requiring the course in a specific program.