



## **Animal Science Sequence**

**Students completing this concentration generally seek a strong science-based curriculum. This program is suggested for students working toward careers in veterinary medicine, animal research, and technical expertise for businesses specializing in genetics, reproduction, nutrition or pharmaceuticals. Students interested in graduate school should consider enrolling in this sequence.**



# The Animal Science Sequence

Students must complete at least 36 hours in Agriculture required

Required Courses for this sequence are:

AGR 109 — Introduction to the Agricultural Industry

AGR 170 — Introduction to Animal Science

AGR 173.01 — Introduction to Animal Science Laboratory— Farm Animals (2 hrs)

Or

AGR 173.02 — Introduction to Animal Science Laboratory— Companion Animals (2 hrs)

AGR 272 — Agricultural Genetics

AGR 275 — Introduction to Animal Nutrition

AGR 282 — Anatomy and Physiology of Farm Animals

AGR 283 — Reproductive Physiology and Artificial Insemination of Farm Animals

AGR 286 — Behavior of Domestic Animals

Either

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AGR 380 — Current Issues in the Livestock Industry

Plus

AGR 381.01 — Livestock Industry — Beef Cattle

Or

AGR 381.02 — Livestock Industry — Dairy Cattle

Or

AGR 381.03 — Livestock Industry — Swine

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Or

AGR 398 — Professional Practice: Internship in Agriculture

Plus One From:

AGR 110 — Introductory Agricultural Economics

AGR 120 — Introductory Horticulture

AGR 130 — Introduction to Agricultural Engineering Technology

AGR 150 — Principles of Agronomy

AGR 157 — Soil Science

Four hours of Animal Science Electives

CHE 110 and 112 or 140 and 141 – Fundamentals of Chemistry or General Chemistry I and II

CHE 220 or 230 and 231 – Elementary Organic Chemistry or Organic

Chemistry I and Organic Chemistry Laboratory

CHE 242 or 342 or 280 – Basic Biochemistry or General Biochemistry I or Environmental Chemistry

MAT 120 or MAT 144 or MAT 145 – Finite Mathematics or Pre-calculus

BSC 196 or 197 – Biological Diversity or Molecular and Cellular Basis of Life

