A. Farm Buildings and Machinery. This includes lectures and laboratory work in the designing of machine sheds, piggeries, small poultry houses, silos, ventilating systems, etc. The instruction in farm machinery includes laboratory work with ordinary farm implements, gas engines, plows, harrows, cultivators, planters, grain binders, etc.

B. Advanced Farm Engineering. This is an elective course for second year students which may be taken with courses in shop work and stock judging. The subjects considered are a continuation of the work begun in the first year in planning farm buildings and estimating the cost of construction. The practice with farm machinery is continued on the subjects given the previous year with laboratory work on steam and gasoline engines, exercises in pipe cutting and fitting, rope knots and splices. Lectures and laboratory work in practical cement and concrete construction.