SUGGESTED SEQUENCE OF COURSES FOR BACHELOR OF SCIENCE DEGREE

In addition to the specific courses listed below, general education requirements and electives should be included to bring total to 15-17 units per semester. A total of 128 units must be completed for the bachelor of science degree. (See *Degrees and Credentials.*)

Agribusiness (Agricultural Mechanics Option)

1st Year: Ag 1, AgM 15, 17, 18A, Math B, C, Biol 1A or B
2nd Year: AgM 25, 81, 91, Acct 1A-B, Econ 1A-B, Physics 2A-B
3rd Year: Ag 31, 136, AgM 111, 115A-B, 159, Bus Ad 102, 110, 118A-B, 133
4th Year: Ag 112, 146, 182 or 184, AgM 151A-B, 158, Bus Ad 151, Mkt 100, business elective (3 u.d.)

Agricultural Mechanics

1st Year: Ag 1, AgM 15, 17, 18A, Biol 1A or B, Math B, C
2nd Year: AgM 25, 18B, 81, 91, Physics 2A-B, Econ 1A
3rd Year: Ag 136, 146, AgM 111, 115A-B, IA 74, animal or plant science electives
4th Year: Ag 151, AgM 121, 151A-B, 158, 159

Courses

Note: Active immunization against tetanus (available through the Student Health Service) is a prerequisite for registration in any laboratory course in agriculture and for any student employment on the College Farm.

AGRICULTURAL MECHANICS

AgM 15. Agricultural Mechanics (2)

Mechanical skills in field of agriculture; selection, care and use of common farm tools; projects of wood and metal in farm appliances. (1 lecture, 3 lab hours)

AgM 17. Farm Tractors (2)

Operation and maintenance of farm tractors; operation of farm tractor under field conditions; service, maintenance and minor repair of gas, diesel, and butane type engines of wheel and crawler type. (1 lecture, 3 lab hours; and total of 5 hours of field operation.)

AgM 18A-B. Agricultural Welding (2-2)

Prerequisite or concurrently: AgM 15. (A) Arc and oxyacetylene welding as a tool of construction and repair in the farm shop; brazing; building up worn parts; burning with hand torch. (B) Hard facing by arc and gas welding; AC and DC welding and application to farm construction and repair; welding projects and farm appliances. (1 lecture, 3 lab hours)

AgM 25. Agricultural Drafting (2)

May be taken concurrently with AgM 15. Use of drafting instruments, lettering, dimensioning, scale drawings and working drawings of projects in agricultural mechanics; elementary plan and perspective drawings of small buildings. (1 lecture, 3 lab hours)

AgM 81. Farm Structures and Equipment (2)

Prerequisite: AgM 15. Construction and repair of farm structures and equipment; farm carpentry and construction principles; engineering principles, codes; farmstead layouts and basic requirements of farm structures. (1 lecture, 3 lab hours)

AgM 91. Farm Surveying (2)

Prerequisite: sophomore standing or permission of instructor. Use of the steel tape, level, transit and compass; field problems in chaining distances, laying out building lines, profile leveling for irrigation ditches and drains, land leveling, and measuring land areas. (1 lecture, 3 lab hours)