Agricultural Technology Management
(Production Agriculture Option)
120 credit hours total

YEAR 1
FALL
CHM 210 (4)
Chemistry I

ECON 110 (3)
Principles of Macroeconomics

DEN 160 (1)
College of Engineering Orientation

ATM 160 (3)
Engineered Systems and Technology in Agriculture

BIOL 198 (4)
Principles of Biology

ELECTIVE (3)
Arts and Humanities

ENGL 100 (3)
Expository Writing I

COMM 106 (3)
Public Speaking

ENGL 200 (3)
Expository Writing II

Elective (3)
Social and Behavioral Sciences

ELECTIVE (3)
Institutional

ELECTIVE (3)
Business Management

(14 credit hours)
(16 credit hours)
(15 credit hours)
(16 credit hours)

YEAR 2
FALL
MATH 205 (3)
General Calculus and Linear Algebra

MANGT 220 (3)
Principles of Management

PHYS 113 (4)
General Physics I

ACCT 231 (3)
Accounting for Business Operation

AGRON 205/206 (4)
Soils and Laboratory

ME 212 (2)
Engineering Graphics

ELECTIVE (3)
Arts and Humanities

ELECTIVE (3)
Social and Behavioral Sciences

Elective (3)
Business Management

(15 credit hours)
(15 credit hours)
(16 credit hours)
(15 credit hours)

YEAR 3
FALL
CC 110 (2)
Introduction to Computing

ATM 331 (1)
Professional Practice for Agricultural Technology Managers

ATM 331 (1)
Professional Practice for Agricultural Technology Managers

ATM 450 (3)
Sensors and Controls for Agricultural and Biological Systems

ATM 511 (3)
Agricultural Building Systems

ATM 558 (3)
Hydrology and Soil Management

ATM 455 (3)
Engines and Power Transfer

ATM 536 (3)
ATM Capstone Project

ATM/BAE Elective (3)

ATM/BAE Elective (3)

Elective (3)
Business Management

(15 credit hours)
(13 credit hours)
(15 credit hours)
(15 credit hours)

YEAR 4
FALL
STAT 325 (3)
Introduction to Statistics

CC 111 (1)
Elements of Computer Programming

ATM 511 (3)
Agricultural Building Systems

ATM 558 (3)
Hydrology and Soil Management

ATM/BAE Elective (3)

ATM/BAE Elective (3)

Elective (3)
Business Management

(15 credit hours)
(13 credit hours)
(15 credit hours)
(15 credit hours)

KEY

Prerequisite for another course
Prerequisite requirement
Prerequisite or concurrent requirement
K-State Core (KSC) course
See department approved electives
Only offered in the semester shown

Flowchart is for advising purposes only. Students are responsible for complying with University Catalog requirements.
Agricultural Technology Management Curriculum Notes

Students who satisfy all or part of K-State Core Institutional Electives (KSC-7) with courses that satisfy other degree requirements may use additional unrestricted electives to meet the degree requirement of 120 credit hours.

Substitutions
AGEC 318 or MANGT 421 can substitute for MANGT 220.
CE 202 or GRSC 210 can substitute for BAE 250.
ECON 120 can substitute for ECON 110.

Technical Electives
ATM/BAE electives and technical electives must be selected from an approved departmental list and be used to complete one of the option areas listed below.

Agribusiness Management (43 credit hours total in option)
- 21 credit hours of required courses within option
- 15 credit hours of ATM/BAE electives
- 7 credit hours of technical electives

Biomanufacturing (43 credit hours total in option)
- 24 credit hours of required courses within option
- 9 credit hours of ATM/BAE electives
- 10 credit hours of technical electives

Precision Agriculture (43 credit hours total in option)
- 26 credit hours of required courses within option
- 12 credit hours of ATM/BAE electives
- 15 credit hours of technical electives

Production Agriculture (43 credit hours total in option)
- 19 credit hours of required courses within option
- 9 credit hours of ATM/BAE electives
- 15 credit hours of technical electives

Water Management (43 credit hours total in option)
- 17 credit hours of required courses within option
- 15 credit hours of ATM/BAE electives
- 11 credit hours of technical electives

Additional information is available at bae.k-state.edu/academics/undergraduate/atm/atm-elective-lists.pdf.

K-State Core
The K-State Core (KSC) is the university’s version of the systemwide general education framework established by the Kansas Board of Regents.

KSC requirement 1 — English (6 hours)
KSC requirement 2 — Communications (3 hours)
KSC requirement 3 — Math and Statistics (3 hours)
KSC requirement 4 — Natural and Physical Sciences (4-5 hours)
KSC requirement 5* — Social and Behavioral Sciences (6 hours)
KSC requirement 6* — Arts and Humanities (6 hours)
KSC requirement 7 — Institutional Electives (6 hours)

To view course lists for each requirement, visit k-state.edu/provost/kstate-core.

*Requires two courses from two different subject areas.