Agricultural Technology Management (Agribusiness Management Option)

120 credit hours total

YEAR 1		YEAR 2		YEAR 3		YEAR 4	
FALL	SPRING	FALL	SPRING	FALL	SPRING	FALL	SPRING
CHM 210 (4) Chemistry I	BIOL 198 (4) Principles of Biology	*MATH 205 (3) General Calculus and Linear Algebra KSC-3	STAT 225 (3) Introduction to Statistics	CC 110 (2) Introduction to Computing	●ATM 331 (1) Professional Practice for Agricultural Technology Managers PR: JR standing	●ATM 536 (3) ATM Capstone Project PR: ATM 331 and SR standing	●ATM 558 (3) Hydrology and Soil Management PR: AGRON 205
●ATM 160 (3) Engineered Systems and Technology in Agriculture	ECON 110 (3) Principles of Macroeconomics	MANGT 220 (3) Principles of Management	*PHYS 113 (4) General Physics I KSC-4	CC 111 (1) Elements of Computer Programming PR/CO: CC 110	●ATM 450 (3) Sensors and Controls for Agricultural and Biological Systems PR: PHYS 113 or 115 PR: ATM 160 or MATH 100	●ATM 511 (3) Agricultural Building Systems PR: ATM 160 or PHYS 113 or 115	▲Elective (3) ATM/BAE
DEN 160 (1) College of Engineering Orientation	*ENGL 100 (3) Expository Writing I KSC-1	*ENGL 200 (3) Expository Writing II KSC-1 PR: ENGL 100	ACCTG 231 (3) Introduction to Managerial Accounting	ACCTG 241 (3) Introduction to Financial Accounting PR: ACCTG 231	MKTG 250 (3) Introduction to Marketing	FINAN 450 (3) Principles of Finance PR: ACCTG 231	▲Elective (3) ATM/BAE
*COMM 106 (3) Public Speaking KSC-2	*Elective (3) Arts and Humanities KSC-6	▲Elective (3) Graphic Communications	▲Elective (3) ATM/BAE	AGRON 205 (3) Soils PR: CHM 110 or 210	▲Elective (3) ATM/BAE	▲Elective (3) ATM/BAE	▲Elective (2) Technical
*Elective (3) Social and Behavioral Sciences KSC-5	*Elective (3) Institutional KSC-7	*Elective (3) Arts and Humanities KSC-6	*Elective (3) Social and Behavioral Sciences KSC-5	●BAE 350/351 (3) Off Road Machinery Systems and Laboratory PR: CHM 210	▲Elective (2) Technical	▲Elective (3) Technical	▲Elective (3) Business Management
				*Elective (3) Institutional KSC-7	▲Elective (3) Business Management		
(14 credit hours)	(16 credit hours)	(15 credit hours)	(16 credit hours)	(15 credit hours)	(15 credit hours)	(15 credit hours)	(14 credit hours)

KANSAS STATE UNIVERSITY | Carl R. Ice College of Engineering

KEY

/ = Prerequisite for another course
PR = Prerequisite requirement
PR/CO = Prerequisite or concurrent requirement
* = K-State Core (KSC) course
▲ = See department approved electives
● = Only offered in the semester shown

Degree map 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.

AGEC 515 can substitute for MKTG 400.

AGEC 513 can substitute for FINAN 450.

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/general-education** .

**Requires two courses from two different subject areas.*