# Agricultural Technology Management (Precision Agriculture Option)

| YEAR 1 | FALL | CHM 210 (4) | *Chemistry I* |
| YEAR 1 | SPRING | BIOL 198 (4) | *Principles of Biology* |
| YEAR 2 | FALL | *ATM 160 (3)* | *Engineered Systems and Technology in Agriculture* |
| YEAR 2 | SPRING | ECON 110 (3) | *Principles of Macroeconomics* |
| YEAR 2 | FALL | *DEN 160 (1)* | *College of Engineering Orientation* |
| YEAR 2 | SPRING | ENGL 100 (3) | *Expository Writing I* |
| YEAR 2 | FALL | *COMM 106 (3)* | *Public Speaking* |
| YEAR 2 | SPRING | Elective (3) | *Arts and Humanities* |
| YEAR 2 | FALL | Elective (3) | *Social and Behavioral Sciences* |
| YEAR 2 | SPRING | Elective (3) | *Social and Behavioral Sciences* |
| YEAR 3 | FALL | *MATH 205 (3)* | *General Calculus and Linear Algebra* |
| YEAR 3 | SPRING | GEOG 302 (3) | *Cartography and Thematic Mapping* |
| YEAR 3 | FALL | CC 110 (2) | *Introduction to Computing* |
| YEAR 3 | SPRING | *ATM 331 (1)* | *Professional Practice for Agricultural Technology Managers* |
| YEAR 4 | FALL | *ATM 536 (3)* | *ATM Capstone Project* |
| YEAR 4 | SPRING | *ATM 558 (3)* | *Hydrology and Soil Management* |

**Key:**
- ★ = Prerequisite for another course
- ★ = 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.**
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.*