



JOHNSON COUNTY COMMUNITY COLLEGE
Transfer Program to Kansas State University
Bakery Science and Management
Cereal Chemistry, BS
Production Management, BS
2024-2025 Catalog

CONTACT: College of Agriculture
PHONE: 785-532-6161
EMAIL: grains@k-state.edu
HOME PAGE: <https://www.k-state.edu/academics/majors-programs/bakery-science-degree/>

The Associate of Arts degree (A.A.) at JCCC is a general transfer degree and partners with the first two years of most bachelor degree programs. Students pursuing the A.A. may select courses that satisfy both the A.A. degree requirements and lower division requirements for a bachelor's degree at four-year institutions. The elective hours within the A.A. allow students to complete additional general education and lower division courses required for specific majors. The A.A. degree requires completion of 60 credit hours; please see [JCCC A.A. degree requirements](#). Meeting with a JCCC counselor is strongly recommended for selection of appropriate courses.

A major in bakery science trains students for administrative, research, production, and executive positions in the baking industry. Bakery science offers students two options; production management or cereal chemistry. Students selecting the production management option will take classes to prepare them for jobs in sales, product development or production management. Those choosing the cereal chemistry option learn about quality control or research and development.

The B.S. in Cereal Chemistry and the B.S. in Production Management each require 120 hours. **The maximum number of hours from a community college that will be applied toward this degree is 60.** Each student must complete 20 of the last 30 hours of resident credit at K-State. A minimum of 45 hours must be at a course level of 300 or higher.

Effective Fall 2024: Students transferring to K-State, with an AA, AFA or AS degree from JCCC will be considered to have satisfied K-State Core general education curriculum.

Effective Fall 2024: Students who transfer to K-State, without completing AA, AFA or AS degree will have courses evaluated on a course-by-course basis toward meeting K-State requirements. To learn more about courses that satisfy K-State Core requirements visit: <https://www.k-state.edu/provost/kstate-core/index.html> and <https://www.k-state.edu/admissions/undergrad/manhattan/apply/transfer/course-search.html>

K-State Core General Education guide can be found [here](#).

It is the STUDENT'S RESPONSIBILITY to check for updates to all transfer information. This transfer guide is provided as a service and is updated as needed. Degree requirements at the four-year colleges are subject to change by those institutions. To ensure you have the most accurate up to date information about the program, it is imperative you meet with an advisor at the transfer institution.

Cereal Chemistry, BS Requirements

K-State	Hrs	JCCC	Hrs
BIOL 198 Principles of Biology	4	BIOL 135 Principles of Cell and Molecular Biology	4
BIOL 255 General Microbiology	4	BIOL 230/231 Microbiology*/Lab*	3/2
CHM 210 Chemistry I	4	CHEM 124/125 General Chemistry I*/Lab*	4/1
CHM 230 Chemistry II	4	CHEM 131/132 General Chemistry II*/Lab*	4/1
BIOCH 521 General Biochemistry	3	CHEM 250 Biochemistry*	4
STAT 225 Introduction to Statistics	3	MATH 181 Statistics*	3
MATH 220 Analytic Geometry and Calculus I	4	MATH 241 Calculus I*	5
MATH 221 Analytic Geometry and Calculus II	4	MATH 242 Calculus II*	5
PHYS 213 Engineering Physics I	5	PHYS 220 Engineering Physics I*	5
Additional required coursework must be taken at K-State.			

* JCCC course has a prerequisite or corequisite.

Production Management, BS Requirements

K-State	Hrs	JCCC	Hrs
BIOL 198 Principles of Biology	4	BIOL 135 Principles of Cell and Molecular Biology	4
BIOL 255 General Microbiology	4	BIOL 230/231 Microbiology*/Lab*	3/2
CHM 210 Chemistry I	4	CHEM 124/125 General Chemistry I*/Lab*	4/1
CHM 230 Chemistry II	4	CHEM 131/132 General Chemistry II*/Lab*	4/1
CHM 350/351 General Organic Chemistry/Lab	3/2	CHEM 220 Organic Chemistry I*	5
STAT 225 Introduction to Statistics	3	MATH 181 Statistics*	3
MATH 205 General Calculus and Linear Algebra	3	MATH 231 Business and Applied Calculus I*	3
PHYS 113 General Physics I	4	PHYS 130 College Physics I*	5
Additional required coursework must be taken at K-State.			

* JCCC course has a prerequisite or corequisite.