

Bakery Science and Management

Kansas State University

Johnson County Community College Transfer Program to the Kansas State University	College of Agriculture
College of Agriculture	785-532-6161
Bakery Science and Management Cereal Chemistry, BS Production Management, BS	grains@k-state.edu
Academic Year 2025-2026	https://www.k-state.edu/academics/majors-programs/bakeryscience-degree/

Program Description

The Associate of Arts, AA (<https://catalog.jccc.edu/degree/requirements/associate-arts/>) at JCCC is a general transfer degree and partners well with the first two years of most bachelor degree programs. Students pursuing the AA may select courses that satisfy both the AA degree requirements and lower division requirements for a bachelor's degree at four-year institutions. The elective hours within the AA allow students to complete additional general education and lower division courses required for specific majors. The AA degree requires completion of 60 credit hours. Meeting with a JCCC counselor (<https://www.jccc.edu/student-resources/counseling/academic-counseling/>) 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.

Admission Requirements

The B.S. in Cereal Chemistry and the B.S. in Production Management each require 120 hours. No more than seventy-five hours may be transferred as credit from a community college. 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.

Students transferring to KSU, that complete the General Education requirements required for the Associate of Arts (AA) (<https://catalog.jccc.edu/degree/requirements/associate-arts/>), Associate of Fine Arts (AFA) (<https://catalog.jccc.edu/degree/requirements/associate-fine-arts/>) or Associate of Science (AS) (<https://catalog.jccc.edu/degree/requirements/associate-science/>) degree from JCCC will be considered to have satisfied KSU's core general education curriculum.

Students who transfer to KSU, without completing the General Education requirements required for the Associate of Arts (AA) (<https://catalog.jccc.edu/degree/requirements/associate-arts/>), Associate of Fine Arts (AFA) (<https://catalog.jccc.edu/degree/requirements/associate-fine-arts/>) or Associate of Science (AS) (<https://catalog.jccc.edu/degree/requirements/associate-science/>) degree will have courses evaluated on a course-by-course basis toward meeting KSU requirements. To learn more about courses that satisfy KSU Core Requirements (<https://catalog.k-state.edu/content.php?catoid=60&navoid=12133>) and KSU Transfer Equivalency Tool (<https://www.k-state.edu/admissions/undergrad/manhattan/apply/transfer/tools/course-search.html>).

Visit the KSU Core General Education Guide (<https://nam12.safelinks.protection.outlook.com/?url=http%3A%2F%2Fnextcatalog.jccc.edu%2Ftransfer-guides%2Fk-state%2Fk-state-general-education&data=05%7C02%7Cskhalif2%40jccc.edu%7C3bbb8fc84564328cf7008de1320415e%7C15244239dcf245e7aefd127b69fc5438%7C1%7C0%7C638969226426376370%7CUnknown%7CTWFPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiIlwLjAuMDAwMClSIIAiOiJXaW4zMilSkFOLjoiTWFPbClSldUljoyfQ%3D%3D%7C0%7C%7C&sdata=p6L6HF0HBP3aL3uFUWnztw8qzBp%2FiSMV2qIS%2FvLwxE%3D&reserved=0>) for JCCC equivalents.

Cereal Chemistry, BS Requirements

Course Code Code	Course Title Title	Course Hours	Transfer Code Hours	Transfer Title	Transfer Hours
BIOL 135	Principles of Cell and Molecular Biology	4	BIOL 198	Principles of Biology	4
BIOL 230 & BIOL 231	Microbiology* and Microbiology Lab*	3	BIOL 255 & BIOL 455	General Microbiology and General Microbiology	4
CHEM 124 & CHEM 125	General Chemistry I Lecture* and General Chemistry I Lab*	4	CHM 210 & CHM 220	Chemistry I and Honors Chemistry I	5
CHEM 131 & CHEM 132	General Chemistry II Lecture* and General Chemistry II Lab*	4	CHM 230	Chemistry II	4
Select one of the following:					
MATH 161	Elementary Statistics*	3	STAT 225	Introduction to Statistics	3
MATH 201	Statistics*	3	STAT 325 & STAT 330 & STAT 350	Introduction to Statistics and Elem Statistics Soc Sci and Business/Econ Statistics I	3
MATH 241	Calculus I*	5	MATH 220	Analytic Geometry Calc I	4
MATH 242	Calculus II*	5	MATH 221	Analytic Geometry Calc II	4
PHYS 220	Engineering Physics I*	5	PHYS 213	Engineering Physics I	5

Additional required coursework must be taken at K-State.

* JCCC course has a prerequisite or corequisite.

^ Required if not met through K-State Core General Education requirements.

Production Management, BS Requirements

Course Code Code	Course Title Title	Course Hours	Transfer Code Hours	Transfer Title	Transfer Hours
BIOL 135	Principles of Cell and Molecular Biology	4	BIOL 198	Principles of Biology	4
BIOL 230 & BIOL 231	Microbiology* and Microbiology Lab*	3	BIOL 255 & BIOL 455	General Microbiology and General Microbiology	4
CHEM 124 & CHEM 125	General Chemistry I Lecture* and General Chemistry I Lab*	4	CHM 210 & CHM 220	Chemistry I and Honors Chemistry I	5
CHEM 131 & CHEM 132	General Chemistry II Lecture* and General Chemistry II Lab*	4	CHM 230	Chemistry II	4
Select one of the following:					
MATH 161	Elementary Statistics*	3	STAT 225	Introduction to Statistics	3

MATH 201	Statistics*	3	STAT 325 & STAT 330 & STAT 350	Introduction to Statistics 3 and Elem Statistics Soc Sci and Business/Econ Statistics I
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Select one of the following:

MATH 231	Business and Applied Calculus I*	3	MATH 205	Calc for Business 3 Economics
MATH 241	Calculus I*	5	MATH 220	Analytic Geometry Calc 4 I
PHYS 130	College Physics I*	5	PHYS 113	General Physics I 4

Additional required coursework must be taken at
K-State.

* JCCC course has a prerequisite or corequisite.

^ Required if not met through K-State Core General Education requirements.

Last Approved Thu Nov 6 18:21:54 2025