

Petroleum Engineering

University of Kansas

Johnson County Community College Transfer Program to the University of Kansas	School of Engineering
School of Engineering	785-864-4965
Petroleum Engineering, Bachelor of Science (BS)	kuengr@ku.edu
Academic Year 2025-2026	cpe.ku.edu

Program Description

Students interested in KU's Engineering programs need to work closely with advisors at both JCCC and KU. This helps students stay on track and not prolong the time it takes to earn an engineering bachelor's degree from KU. Students are advised to complete the Kansas Systemwide General Education requirements, and the prerequisite courses listed on the transfer guide. Students are also encouraged to use the Reverse Transfer (<https://www.jccc.edu/student-resources/transfer/>) option (if eligible) after transferring to KU. Reverse Transfer (<https://www.jccc.edu/student-resources/transfer/>) allows students to earn their associate degree from JCCC while working towards their bachelor's degree at KU.

Petroleum engineers search the world for reservoirs containing oil and natural gas. Once these resources are discovered, petroleum engineers work to understand the geologic formation and properties of the rock containing the reservoir, determine the drilling methods to be used, and monitor drilling and production operations. They design equipment and processes to achieve the maximum profitable recovery of oil and gas. Petroleum engineers typically work for major oil companies, independent oil exploration, and production and service companies.

Admissions Requirements

- Admission to The University of Kansas is required, along with the following, for admission to the KU School of Engineering as a transfer student:
 - 2.5+ cumulative college GPA
 - "C" or better in MATH 125 Calculus I, or its direct equivalent (MATH 241 Calculus I* at JCCC)
 - "C" or better in all math, science and engineering coursework
- The School of Engineering recommends that students apply for transfer admission to KU by May 1 for summer and fall; December 1 for spring.
- Admission is selective. Meeting minimum requirements does not guarantee admission.
- Timely completion of prerequisite courses is imperative due to tight sequencing of major courses. Consult KU catalog and seek KU advising early.
- The B.S. in Petroleum Engineering is an ABET accredited program.
- A total of 128 credit hours is required for the B.S. in Petroleum Engineering.
- A maximum of 75 hours may be transferred to KU from community colleges. Students should be aware that 45 junior/senior credit hours are required for completion of the bachelor's degree; the last 30 hours of course work must be at KU; and community college courses do not transfer as junior/senior hours.
- Transfer students will have their applications to the School of Engineering evaluated on a case-by-case basis and must have a minimum GPA of 2.5 to be considered.
- Transfer credits must have a grade of "C" or higher to be applied toward the degree.
- For petroleum engineering majors, courses used to fulfill the KU Core 34 in English, Communications, Social & Behavioral Sciences, Arts & Humanities, U.S. Culture, and Global Culture accept Credit/No Credit.
- Students transferring to KU, 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 KU's Core 34 general education curriculum.
- Students who transfer to KU, 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 KU requirements. To learn more about courses that satisfy KU Core 34 Requirements (<https://catalog.ku.edu/core34/>) and KU CredTran (<https://creditransfer.ku.edu/>).
- Visit the KU Core 34 General Education guide (<https://nam12.safelinks.protection.outlook.com/?url=http%3A%2F%2Fnextcatalog.jccc.edu%2Ftransfer-guides%2Fku%2Fku-general-education&data=05%7C02%7Cskhalif2%40jccc.edu%7C506a4b607ca34eaa00fb08de158ef1c2%7C15244239dcf245e7aefd127b69fc5438%7C1%7C0%7C638971900858599422%7CUnknown%7CTWFPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUslIYiOiJlLjAuMDAwMCIslAIiOiJXaW4zMlslIkF0IjoiTWFPbCIslldUljoyfQ%3D%3D%7C0%7C%7C%7C&sdata=b209VaVq9VFjN8MJkWQ4YCl60oq5GZXnn69Vpa2sSL0%3D&reserved=0>) for JCCC equivalents.

Program Requirements

Course Code	Course Title	Course Hours	Transfer Code	Transfer Title	Transfer Hours
Code	Title	Hours			

KU Core 34

Visit the KU Core 34 English (<https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/>) for JCCC equivalents.

Visit the KU Core 34 Communications (<https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/>) for JCCC equivalents.

Visit the KU Core 34 Core 34 Social and Behavioral Sciences (<https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/>) for JCCC equivalents. (Select two courses in two different disciplines)

Visit the KU Core 34 Arts and Humanities (<https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/>) for JCCC equivalents. (Select two courses in two different disciplines)

Visit the KU Core 34 US Culture (<https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/>) for JCCC equivalents.

Visit the KU Core 34 Global Culture (<https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/>) for JCCC equivalents.

Basic Sciences

CHEM 124 & CHEM 125	General Chemistry I Lecture* and General Chemistry I Lab* †	5	CHEM 130	General Chemistry I	5
CHEM 131 & CHEM 132	General Chemistry II Lecture* and General Chemistry II Lab* †	5	CHEM 135	General Chemistry II	5
PHYS 220	Engineering Physics I* ^†	5	PHSX 211 & PHSX 216	General Physics I Lecture and General Physics I Laboratory	5
PHYS 221	Engineering Physics II* †	5	PHSX 211 & PHSX 236	General Physics I Lecture and General Physics II Laboratory	5
GEOS 130	General Geology †	5	GEOL 101 & GEOL 103	The Way The Earth Works and Geology Fundamentals Lab	5

Mathematics

MATH 241	Calculus I* #	5	MATH 125	Calculus I	4
MATH 242	Calculus II*	5	MATH 126	Calculus II+	
MATH 243	Calculus III*	5	MATH 127	Calculus III+	
MATH 246	Elementary Linear Algebra*	3	MATH 290	Elementary Linear Algebra	2
MATH 254	Differential Equations*	4	MATH 220	Analytic Geometry Calc I	4

* JCCC course has a prerequisite or corequisite.

+ Must earn a grade of "C-" or better.

This course is a Required Core 34: Systemwide General Education course. This program is approved by the Kansas Board of Regents to require this specific Core 34: Systemwide General Education course. If a student did not take this course, it must be taken in addition to other degree requirements.

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.

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