



Johnson County Community College
Transfer Program to University of Kansas
School of Engineering
Petroleum Engineering, B.S.
2024-2025 Catalog

Contact: School of Engineering
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****To graduate in four years, a student must transfer to KU after one year at JCCC.****

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.

- 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 127 credit hours is required for the B.S. in Petroleum Engineering.
- Sixty-four credits may be transferred to KU from community colleges. The last 30 hours of course work must be completed at KU. A minimum of 45 upper-level hours must be completed at KU.
- 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.
- Effective Fall 2024: Students transferring to KU, with an AA, AFA or AS degree from JCCC will be considered to have satisfied KU's Core 34 general education curriculum.
- Effective Fall 2024: Students who transfer to KU, without completing AA, AFA or AS 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 visit: <https://catalog.ku.edu/core34/> and <https://credittransfer.ku.edu/>
- KU's Core 34 General Education guide can be found here: <https://www.jccc.edu/student-resources/transfer/files/transfer-guides/ku-core-requirements.pdf>

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.

Program Requirements

KU Courses	Hrs	JCCC Courses	Hrs	KU Core 34
KU Core 34				
Core 34: English	6	See KU Core 34 General Education guide	6	ENG
Core 34: Communications	3	See KU Core 34 General Education guide	3	CMS
Core 34: Social and Behavioral Science (Select two courses in two different disciplines)	6	See KU Core 34 General Education guide	6	SBS
Core 34: Arts and Humanities (Select two courses in two different disciplines)	6	See KU Core 34 General Education guide	6	AH
Core 34: US Culture – Institutionally Designated	3	See KU Core 34 General Education guide	3	USC
Core 34: Global Culture - Institutionally Designated	3	See KU Core 34 General Education guide	3	GLBC
Basic Sciences – must earn a “C-” or better in CHEM 130, CHEM 135, PHSX 210 and PHSX 212				
CHEM 130 General Chemistry I	5	CHEM 124/125 General Chemistry I*/Lab*	4/1	NPS/NLEC/ NLAB
CHEM 135 General Chemistry II	5	CHEM 131/132 General Chemistry II*/Lab*	4/1	NPS/NLEC/ NLAB
EPHX 210 General Physics I for Engineers^# AND PHSX 216 General Physics I Lab# OR PHSX 210 General Physics I AND PHSX 216 General Physics I Lab OR PHSX 211 General Physics I AND PHSX 216 General Physics I (Must earn a grade of “C-” or better)	3/1	^^PHYS 220 Engineering Physics I*	5	NPS/ NLEC/ NLAB
PHSX 212/236 General Physics II/Lab	3/1	PHYS 221 Engineering Physics II*	5	NPS/NLEC/ NLAB
GEOL 101 The Way the Earth Works AND GEOL 103 General Geology Lab	3 2	GEOS 130 General Geology	5	N/A
Mathematics – must earn a “C-” or better in the following courses:				
MATH 125 Calculus I#	4	MATH 241 Calculus I*	5	MTS
MATH 126 Calculus II	4	MATH 242 Calculus II*	5	N/A
MATH 127 Calculus III	4	MATH 243 Calculus III*	5	N/A
MATH 290 Elementary Linear Algebra	2	MATH 246 Elementary Linear Algebra*	3	N/A
MATH 220 Applied Differential Equations	3	MATH 254 Differential Equations*	4	N/A

*JCCC course has a prerequisite or corequisite.

^PHSX 211 (PHYS 220 at JCCC) satisfies the PHSX 210 requirement for Engineering at KU.

#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.

Note: To graduate in four years, a student must transfer to KU after one year at JCCC. It is not recommended for students to complete an associate degree at JCCC. Completing an associate degree may add up to four (4) additional years to complete your KU Engineering degree.