



**\*\*To graduate in four years, a student must transfer to KU after one year at JCCC.\*\***

Architectural engineers are involved in building projects that directly affect the production, comfort, health and safety of the public. Graduates are strongly encouraged to become registered professional engineers as soon as possible after graduation. In Kansas, and many other states with similar registration laws, this involves completing an ABET-accredited B.S. degree in architectural engineering, passing the Fundamentals of Engineering (FE) and Professional Engineering (PE) examinations, and obtaining four years of satisfactory engineering experience under the supervision of a professional engineer. Students in architectural engineering must take the FE examination before graduation. Architectural engineering graduates can also practice as architects after completing an NAAB-accredited professional undergraduate or graduate architecture degree program and becoming registered architects. Students with this interest should consider the available tracks leading to a Master of Architecture degree in addition to their B.S. in architectural engineering.

- Admission to The University of Kansas and the KU School of Engineering as a transfer student requires:
  - A 2.5/4.0 cumulative college GPA or higher
  - “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 final application deadlines for transfer admission are mid-August for Fall, mid-January for Spring, and late May for Summer. Earlier application is encouraged, especially if seeking financial aid.
- Admission is selective. Meeting the minimum requirements does not guarantee admission.
- Timely completion of prerequisite courses is imperative due to tight sequencing of major courses. Consult the KU Academic Catalog and seek KU CEAE Dept. advising early.
- The KU B.S. in Architectural Engineering is an EAC/ABET accredited engineering degree program.
- A total of 128 credit hours is required for the B.S. in Architectural Engineering.
- Sixty-four credits total may be transferred to KU from community colleges. The last 30 hours of course work must be completed at KU.
- Transfer credits must have a grade of “C” or higher to be applied toward the KU engineering degree.
- Credit/No Credit policy: Credit/No Credit is **not an option** for any credits counting toward an architectural engineering degree.
- 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
<b>Architecture History/Economics/KU Core 34</b>				
Core 34: Arts and Humanities ( <i>Select two courses in two different disciplines – 6 hrs. total</i> ) ARCH 340 Global History of Architecture I: Origins to Industrial Revolution (3500 BCE-1700 CE)#	6	<a href="#">See KU Core 34 General Education guide</a>  ARCH 244 Architectural History Before the Modern Era#	6	AH
Core 34: Communications	3	<a href="#">See KU Core 34 General Education guide</a>	3	CMS
Core 34: Social and Behavioral Science ( <i>Select two courses in two different disciplines – 6 hrs. total</i> ) ECON 144 Principles of Macroeconomics# <b>OR</b> ECON 142 Principles of Microeconomics#	6	<a href="#">See KU Core 34 General Education guide</a>  ECON 230 Principles of Macroeconomics# <b>OR</b> ECON 231 Principles of Microeconomics#	6	SBS
Core 34: US Culture – Institutionally Designated	3	<a href="#">See KU Core 34 General Education guide</a>	3	USC
Core 34: Global Culture - Institutionally Designated	3	<a href="#">See KU Core 34 General Education guide</a>	3	GLBC
<b>English</b>				
ENGL 101 Composition	3	^^ENGL 121 Composition I*	3	ENG
ENGL 102 Critical Reading and Writing	3	^^ENGL 122 Composition II*	3	ENG
<b>Mathematics</b>				
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 220 Applied Differential Equations	3	MATH 254 Differential Equations*	4	N/A
<b>Basic Sciences</b>				
CHEM 150 Chemistry for Engineers	5	^^CHEM 124/125 General Chemistry I*/Lab*, ^^	4/1	NPS/NLEC/ NLAB
EPHX 210 General Physics I for Engineers# <b>AND</b> PHSX 216 General Physics I Lab# <b>OR</b> PHSX 210 General Physics I <b>AND</b> PHSX 216 General Physics I Lab <b>OR</b> PHSX 211 General Physics I <b>AND</b> PHSX 216 General Physics I Lab ( <i>Must earn a grade of "C-" or better</i> )	3/1	^^PHYS 220 Engineering Physics I*	5	NPS/ NLEC/ NLAB
PHSX 212 General Physics II	3	PHYS 221 Engineering Physics II*	5	NPS/NLEC/ NLAB
<b>Engineering Science</b>				
ARCE 217 Computer-Assisted Building Design	3	DRAF 129 Interpreting Arch. Drawings <b>AND</b> DRAF 143 Introduction to BIM*	2 2	N/A
CE 260 Statics and Dynamics	5	ENGR 251 Statics* <b>AND</b> ENGR 254 Dynamics*	3 3	N/A
<b>Architectural Design/Architectural Technology</b>				
ARCH 100 Architectural Foundations I <b>AND</b> ARCH 101 Architectural Foundations II	4 4	ARCH 127 Intro to Architectural Graphics <b>AND</b> ARCH 131 Architectural Graphics* <b>AND</b> ARCH 140 Architectural Design*	4 3 3	N/A

\* JCCC course has a prerequisite or corequisite.

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

^^ Most important courses to complete at JCCC if transferring to KU ARCE after one year at JCCC.

^^^ KU's CHEM 149, Chemistry for Engineers Supplement (2), will also be required to equal KU's CHEM 150

#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.