

COLLEGE of ENGINEERING JOHNSON COUNTY COMMUNITY COLLEGE 2019-2020 Transfer Guide

It is the policy of Wichita State University (WSU) to accept all credits – with the exception of remedial coursework – earned at a post-secondary institution accredited by one of the U.S. regional accrediting agencies. Each academic college or department within WSU determines how those credits apply toward a particular degree program. Sometimes there can be a significant difference between what transfers and what counts toward a degree, especially if the courses are vocational in nature.

FOUNDATION COURSES

(must complete all three courses with a grade of **C-** or better - for at least **9** credit hours)

- ENGL 121 Composition I
- ENGL 122 Composition II
- SPD 121 Public Speaking
or SPD 125 Personal Communication

INTRODUCTORY FINE ARTS

(complete one course - for at least **3** credit hours)

- ART 142 Ceramics I
- ARTH 180 Art History: Ancient to Renaissance
- ARTH 182 Art History: Renaissance to Modern
- MUS 121 Intro to Music Listening
- MUS 126 Intro to World Music
- MUS 128 History Rock & Roll Music
- THEA 120 Intro to Theater

INTRODUCTORY HUMANITIES

(complete one course - for at least **3** credit hours **except Computer Science (CS)- see page 2**)

COMM

- SPD 180 Intercultural Comm

ENGL

- ENGL 130 Intro to Literature
- ENGL 205 Bible as Literature
- ENGL 244 Literature of American Popular Music
- ENGL 246 American Literature I
- ENGL 247 American Literature II
- ENGL 250 World Masterpieces

HIST

- HIST 125 Western Civilization: Ancient World to the Renaissance
- HIST 126 Western Civ: Scientific Revolution to the Modern Age
- HIST 140 US History to 1877
- HIST 141 US History Since 1877
- HIST 151 World History I: Traditional World
- HIST 152 World History II: Modern World

HUMN

- HUM 122 Intro to Humanities

PHIL

- PHIL 121 Intro to Philosophy
- PHIL 124 Logic & Critical Thinking
- PHIL 143 Ethics

REL

- REL 120 Exploring World Religions
- REL 125 Religions of the East
- REL 126 Religions of the West

SPAN

- FL 230 Intermediate Spanish I

WOMS

- WGS 201 Global Women's Studies

INTRODUCTORY SOCIAL & BEHAVIORAL SCIENCES

(complete two courses - one in each of two subject areas - for at least **6** credit hours)

ANTH

- ANTH 125 Cultural Anthropology
- ANTH 142 World Prehistory
- ANTH 144 Archaeology

CJ

- ADMJ 121 Intro to Admin of Justice

COMM

- JOUR 120 Mass Media & Society

ECON

- ECON 230 Principles of Macroeconomics

GEOG

- GEOS 145 World Regional Geography

POLS

- POLS 122 Political Science
- POLS 124 American National Government
- POLS 132 Intro to Comparative Government
- POLS 135 International Relations

PSY

- PSYC 130 Intro to Psychology

SOC

- SOC 122 Intro to Sociology

SCWK

- SOC 146 Intro to Social Work & Social Welfare
- SOC 147 Social Work & Social Justice

FURTHER STUDY and ISSUES & PERSPECTIVES

One Further Study course in Humanities or Social & Behavioral Sciences (may not take further study in Philosophy, Fine Arts or Mathematics and Natural Sciences) **AND** one Issues & Perspectives (I&P) course (for at least **6** credit hrs)

FURTHER STUDY HUMANITIES

COMM

- FMS 100 Intro to Film
- SPD 120 Interpersonal Communication

ENGL

- ENGL 227 Intro to Poetry
- ENGL 230 Intro to Fiction
- ENGL 235 Drama as Literature
- ENGL 236 British Literature I
- ENGL 237 British Literature II
- ENGL 243 Lit of Science Fiction

FREN

- FL 241 Intermediate French II

GERM

- FL 220 Intermediate German I
- FL 221 Intermediate German II

HIST



RECOMMENDED TRANSFER COURSES



WICHITA STATE
UNIVERSITY

- HIST 120 Local & Kansas History
 - HIST 130 European History Since 1789
 - HIST 160 Modern Russian History
 - HIST 162 Modern Latin America
- HUMN**
- HUM 145 Intro to World Humn I
 - HUM 146 Intro to World Humn II
 - HUM 155 Classical Mythology

FURTHER STUDY SOCIAL & BEHAVIORAL SCIENCES

ANTH

- ANTH 130 World Cultures
- ANTH 150 People & Cultures of Mesoamerica
- ANTH 165 Linguistic Anthropology

CJ

- SOC 127 Criminology

ECON

- ECON 231 Principles of Microeconomics

POLS

- POLS 126 State & Local Government

PSY

- PSYC 215 Child Development
- PSYC 218 Human Development
- PSYC 220 Social Psychology

SOC

- ADMJ 133 Juvenile Delinquency
- SOC 125 Social Problems
- SOC 131 Sociology of Families

ISSUES & PERSPECTIVES

- All engineering majors will take PHIL 385 Engineering Ethics at WSU, **except for CS, CE and ET-Cybersecurity** majors will take PHIL 354 Ethics and Computers at WSU.

ENGINEERING MAJORS:

- Aerospace Engineering (AE)
- Biomedical Engineering (BME)
- Computer Engineering (CE)
- Computer Science (CS)
- Electrical Engineering (EE)
- Industrial Engineering (IE)
- Product Design & Manufacturing Engineering (PDME)
- Mechanical Engineering (ME)
- Engineering Technology (ET)

Concentrations:

- Engineering Technology Management
- Civil Engineering Technology
- Cybersecurity
- Mechatronics Technology

MATH & NATURAL SCIENCES -

ALL ENGINEERING MAJORS:

- CHEM 124 General Chemistry I Lecture **AND** CHEM 125 General Chemistry I (LAB) (**except CS and CE**)
- MATH 241 Calculus I
- MATH 242 Calculus II
- MATH 243 Calculus III (**ONLY ME, AE and EE**)
- MATH 181 Statistics (**except AE, ET and ME**)
- MATH 254 Differential Equations (**except CS, IE an ET**)
- PHYS 220 Engineering Physics I (LAB) (**except ET**)
- PHYS 221 Engineering Physics II (LAB) (**except ET**)

NATURAL SCIENCES ELECTIVE -

ONLY Aerospace, Industrial & Mechanical Engineering majors: (complete one course in **BIOL, CHEM, GEOL or PHYS** – lab required)

BIOL

- BIOL 135 Prin Cell & Molecular Biology (LAB)
- BIOL 140 Human Anatomy **AND** BIOL 225 Human Physiology (LAB)
- BIOL 144 Human Anatomy &

Physiology (LAB)

- BIOL 150 Biol of Organisms (LAB)

CHEM

- CHEM 131 General Chemistry II Lecture **AND** CHEM 132 General Chemistry II (LAB)
- CHEM 220 Organic Chem I (LAB)

GEOL

- GEOS 130 General Geology (LAB)

PHYS

- ASTR 122 Astronomy (LAB)

OTHER COURSES BY MAJOR:

Aerospace Engineering (AE):

- ENGR 131 Engineering Graphics I
- ENGR 254 Dynamics
- ENGR 251 Statics

Biomedical Engineering (BME):

- CHEM 131 General Chemistry II Lecture **AND** CHEM 132 General Chemistry II (LAB)
- CHEM 140 Principles of Organic Biological Chemistry (LAB)
- BIOL 125 General Botany (LAB) **AND** BIOL 127 General Zoology (LAB)
- BIOL 135 Prin of Cell & Molecular Biology (LAB)
- BIOL 144 Human Anatomy & Physiology (LAB)
- ENGR 251 Statics

Computer Engineering (CE):

- CS 200 Concepts/Program Algorithms/C++
- CS 250 Basic Data Structures Using C++

Computer Science (CS):

- Computer Science majors choose PHIL 124 Logic & Critical Thinking (minimum grade of C or better). PHIL 124 will also satisfy the general education humanities requirement.
- CS 200 Concepts/Program Algorithms/C++
- CS 250 Basic Data Structures Using C++





RECOMMENDED TRANSFER COURSES

Electrical Engineering (EE):

- CS 200 Concepts/Program Algorithms/C++
- ENGR 251 Statics

Industrial Engineering (IE):

- CS 200 Concepts/Program Algorithms/C++
- ENGR 131 Engineering Graphics I

Product Design & Manufacturing Engineering (PDME):

- ENGR 131 Engineering Graphics I
- ENGR 251 Statics

Mechanical Engineering (ME):

- ENGR 131 Engineering Graphics I
- ENGR 254 Dynamics
- ENGR 251 Statics

Engineering Technology (ET):

- ACCT 121 Accounting I **AND** ACCT 122 Accounting II (**ONLY for Engineering Technology Management**)
- CS 200 Concepts/Program Algorithms/C++
- ENGR 131 Engineering Graphics I
- MKT 230 Marketing (**ONLY for Engineering Technology Management**)
- PHYS 130 College Physics I (LAB)

Transfer Students Should Remember

60 hours minimum must be completed at a 4-year institution.

45 hours of upper division course-work must be completed at a 4-year institution.

30 hours minimum must be completed at WSU to earn a degree from WSU.

24 of the last 30 or 50 of the last 60 hours must be completed at WSU to earn a degree from WSU.

To graduate from an engineering program, a candidate must attain 2.0 grade point average (GPA) in each of the following categories:

- all college and university work attempted (cumulative GPA)
- all work attempted at WSU-WSU GPA
- all work in the student's major at WSU including Engineer of 2020 requirements.

Most engineering courses have prerequisites and/or co-requisites; the prerequisite course must have been completed before a course can be taken, and the co-requisite must have been taken prior to or to be taken concurrently with the required course sequence.

Specific engineering courses for each major will be provided during student advising.

For more information, go to:

wichita.edu/engineering

or

Contact: Dual Advisor

wichita.edu/engadvising

Or at

(316) 978-3400