COLLEGE of ENGINEERING
COWLEY 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)
- ENG 2211 Composition I
- ENG 2212 Composition II
- COM 2711 Public Speaking

INTRODUCTORY FINE ARTS
(complete one course - for at least 3 credit hours)
- ART 2111 Art Appreciation
- ART 2141 Art History I
- ART 2142 Art History II
- ART 2146 Ceramics I
- ART 2148 Ceramics II
- MUS 2611 Music Appreciation
- THE 2730 Theatre Appreciation

INTRODUCTORY HUMANITIES
(complete one course - for at least 3 credit hours except Computer Science (CS) – see page 2)
- ENGL 2511 Intro to Literature

HIST
- HIS 6411 US History to 1877
- HIS 6412 US History since 1865
- HIS 6420 World History I
- HIS 6421 World History II

HUMN
- HUM 2921 Integrated Humanities

PHIL
- ALH 5339 Bioethics
- PHO 6447 Intro to Philosophy
- PHO 6460 Ethics

REL
- REL 6430 Comparative Religion
- REL 6432 Survey of the Old Testament
- REL 6434 Survey of the New Testament

SPAN
- FOL 2332 Spanish III

WOMS
- MIN 6440 Women & Health

INTRODUCTORY SOCIAL & BEHAVIORAL SCIENCES
(complete two courses - one in each of two subject areas - for at least 6 credit hours)

ANTH
- ANT 6911 Cultural Anthropology
- ANT 6920 Intro to Archeology
- ANT 6930 Intro to Bio-Physical Anthropology

CJ
- CRJ 5411 Intro to Criminal Justice

COMM
- MCM 2411 Mass Media & Society

ECON
- ECO 6113 Prin of Microeconomics
- ECO 6114 Prin of Macroeconomics

GEOG
- GEG 6120 Principles of Geography

POLS
- POL 6611 American National Government

PSY
- PSY 6711 General Psychology

SOC
- SOC 6811 Principles of Sociology
- SOC 6821 Introduction to Social Work

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
- COM 2725 Interpersonal Communication

ENGL
- LIT 2531 African-American Literature
- LIT 2550 American Literature I
- LIT 2551 American Literature II
- LIT 2560 English Literature I
- LIT 2561 English Literature II
- LIT 2565 Dramatic Literature

FURTHER STUDY SOCIAL & BEHAVIORAL SCIENCES
ANTH
- ANT 6912 Intro to Linguistic Anthropology

ECON
- ECO 6114 Prin of Microeconomics

POLS
- POL 6612 State & Local Government

PSY
- CHC 5711 Development of the Young Child
- PSY 6712 Developmental Psychology
- PSY 6730 Cognitive Psychology
- SOC 6813 Drug & Alcohol Awareness & Abuse
- SOC 6816 Social Problems
- SOC 6823 Marriage & Family Relations
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:
• CHM 4220 Chemistry I (LAB) (except CS and CE)
• MTH 4435 Calculus I
• MTH 4440 Calculus II
• MTH 4455 Calculus III (ONLY ME, AE and EE)
• MTH 4465 Differential Equations (except CS, IE and ET)
• PHS 4560 Engr Physics I (LAB) (except ET)
• PHS 4561 Engr 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
• BIO 4125 General Biology I (LAB)
• BIO 4135 General Biology II (LAB)
• BIO 4148 Human Anatomy & Physiology I AND BIO 4149 Human Anatomy & Physiology II (LAB)
• BIO 4150 Human Anatomy & Physiology (LAB)

CHEM
• CHM 4230 Chemistry II (LAB)
• CHM 4250 Organic Chem I (LAB)
• GEO 4311 Geology (LAB)

PHYS
• PHS 4530 Intro Astronomy (LAB)

OTHER COURSES BY MAJOR:
Aerospace Engineering (AE):
• PHS 4570 Statics

Biomedical Engineering (BME):
• BIO 4125 General Biology I (LAB)
• BIO 4148 Human Anatomy & Physiology I AND BIO 4149 Human Anatomy & Physiology II (LAB) or
• BIO 4150 Human Anatomy & Physiology (LAB)
• CHM 4230 Chemistry II (LAB)
• CHM 4250 Organic Chem I (LAB)
• MTH 4445 Engineering Probability and Statistics I
• PHS 4555 Engineering Economy
• PHS 4570 Statics
• PHS 4570 Intro to Engineering

Computer Engineering (CE):
• CIS 1876 C Programming
• CIS 1894 Intro to Digital Design
• CIS 1909 Assembly Language Programming
• MTH 4445 Engineering Probability and Statistics I
• PHS 4545 Intro to Engineering
• PHS 4555 Engineering Economy
• PHS 4570 Statics

Computer Science (CS):
• Computer Science majors will take PHIL 125 Introduction to Logic or PHIL 105 Critical Reasoning at WSU (minimum grade of C or better). PHIL 125 or PHIL 105 will also satisfy the general education humanities requirement.
• CIS 1876 C Programming
• CIS 1894 Intro to Digital Design
• CIS 1909 Assembly Language Programming
• MTH 4445 Engineering Probability and Statistics I
• PHS 4555 Engineering Economy
• PHS 4545 Intro to Engineering

Electrical Engineering (EE):
• CIS 1876 C Programming
• CIS 1894 Intro to Digital Design
• MTH 4445 Engineering Probability and Statistics I
• PHS 4545 Intro to Engineering
• PHS 4555 Engineering Economy
• PHS 4570 Statics

Industrial Engineering (IE):
• CIS 1876 C Programming
• MTH 4445 Engineering Probability and Statistics I
• PHS 4545 Intro to Engineering
• PHS 4555 Engineering Economy

Product Design & Manufacturing Engineering (PDME):
• CIS 1876 C Programming
• MTH 4445 Engineering Probability and Statistics I
• PHS 4545 Intro to Engineering
• PHS 4555 Engineering Economy
• PHS 4570 Statics

Mechanical Engineering (ME):
• PHS 4570 Statics
Engineering Technology (ET):
• ACC 1150 Prin of Accounting I AND ACC 1160 Principles of Accounting II (Engineering Technology Management ONLY)
• BUS 1430 Introduction to Marketing (Engineering Technology Management ONLY)
• CIS 1876 C Programming
• PHS 4550 General Physics I (LAB)
• PHS 4555 Engineering Economy

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

Transfer Students Should Remember

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

45 hours of upper division coursework 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.

For information on 2+2 Articulation Agreements between WSU and Cowley College in CE, CS, EE, IE and IME please contact your Community College Advisor.

For more information, go to:
wichita.edu/engineering
or
Contact: Dual Advisor
wichita.edu/engadvising
Or at
(316) 978-3400