COLLEGE of ENGINEERING
BARTON 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 1204 English Composition I
- ENGL 1206 English Composition II
- COMM 1230 Public Speaking

INTRODUCTORY FINE ARTS
(complete one course - for at least 3 credit hours)
- ARTS 1200 Art Appreciation
- ARTS 1201 Art History Survey I
- ARTS 1203 Art History Survey II
- ARTS 1222 Ceramics I
- ARTS 1224 Ceramics II
- MUSI 1002 Introduction to Music
- THEA 1300 Intro to the Theatre

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

ENGL
- LITR 1210 Intro to Literature
- LITR 1216 American Literature I

HIST
- HIST 1400 American History to 1877
- HIST 1401 American History 1865 to Present
- HIST 1402 American History 1877 - Present
- HIST 1403 American History to 1865
- HIST 1408 Western Civ to 1500
- HIST 1409 Hist & Phil Western Culture to 1500
- HIST 1410 Western Civ 1500-Pres
- HIST 1411 Hist & Phil Western Culture 1500 - Present
- HIST 1450 Hist of World Civ to 1500
- HIST 1452 Hist of World Civ 1500-Present

PHIL
- PHIL 1602 Intro to Philosophy
- PHIL 1604 Systematic Ethics
- PHIL 1605 Reason & Argument

REL
- RELI 1301 New Testament Lit: Gospels
- RELI 1311 World Religions

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

ANTH
- ANTH 1816 Cultural Anthropology

CJ
- CRIM 1810 Criminal Justice
- CRIM 1815 Intro to Criminal Justice

COMM
- JOUR 1700 Intro to Mass Media

ECON
- ECON 1610 Principles of Microeconomics

ETHS
- SOCI 1129 Cross Cultural Awareness

GEOG
- GEOG 1819 World & Regional Geography

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
- COMM 1200 Interpersonal Communication
- COMM 1210 Oral Interpretation
- THEA 1315 Introduction to Film

ENGL
- LITR 1212 The Short Story
- LITR 1215 World Literature
- LITR 1228 Introduction to Drama
- LITR 1234 Shakespeare

HIST
- HIST 1404 American West
- HIST 1406 History of Kansas

FURTHER STUDY SOCIAL & BEHAVIORAL SCIENCES
CJ
- CORR 1008 Special Populations Correction
- CRIM 1610 Criminology

ECON
- ECON 1612 Principles of Microeconomics

POLs
- POLS 1815 Intro to UN & International Org

This Transfer Guide is for information only and is not a contract. Courses/requirements subject to change.

Produced March 2019
• POLS 1828 State & Local Government

PSY
• CHLD 1505 Preschool Child
• PSYC 1014 Developmental Psychology
• PSYC 1016 Social Psychology

SOC
• SOCI 1102 Marriage & Family
• SOCI 1104 Contemporary Social Problems

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 1806 College Chem I (LAB) (except CS and CE)
• MATH 1832 Analytic Geometry - Calculus I
• MATH 1834 Analytic Geometry - Calculus II
• MATH 1836 Analytic Geometry - Calculus III (ONLY ME, AE and EE)

• PHYS 1604 Engineering Physics I-(LAB) (except ET)
• PHYS 1606 Engineering Physics II-(LAB) (except ET)

NATURAL SCIENCES ELECTIVE - ONLY Aerospace, Industrial & Mechanical Engineering majors:
(complete one course in BIOL or CHEM – lab required)

BIOL
• LIFE 1402 Prin of Biology (LAB)
• LIFE 1407 Anatomy & Physiology I AND LIFE 1409 Anatomy & Physiology II (LAB)
• LIFE 1408 Anatomy & Physiology (LAB)
• LIFE 1413 Environmental Science AND LIFE 1414 Environmental Science (Lab)

CHEM
• CHEM 1808 College Chem II (LAB)
• CHEM 1814 Organic Chem I (LAB)

OTHER COURSES BY MAJOR:
Aerospace Engineering (AE):
• DRAF 1800 Tech Drafting I AND DRAF 1840 Comp Aided Drafting/Design I AND DRAF 1841 Comp Aided Drafting/Design II AND DRAF 1843 Descriptive Geometry

Biomedical Engineering (BME):
• LIFE 1402 Prin of Biology (LAB)
• LIFE 1407 Anatomy & Physiology I AND LIFE 1409 Anatomy & Physiology II (LAB)
• CHEM 1808 College Chem II (LAB)

Computer Engineering (CE):
• PRGM 1025 C Programming
• PRGM 1020 Data Structures & Algorithms

Computer Science (CS):
• Computer Science majors choose PHIL 1605 Reason & Argument (minimum grade of C or better). PHIL 1605 will also satisfy the general education humanities requirement.
• PRGM 1025 C Programming
• PRGM 1020 Data Structures & Algorithms

Electrical Engineering (EE):
• PRGM 1025 C Programming

Industrial Engineering (IE):
• DRAF 1800 Tech Drafting I AND DRAF 1840 Comp Aided Drafting/Design I AND DRAF 1841 Comp Aided Drafting/Design II AND DRAF 1843 Descriptive Geometry

Product Design & Manufacturing Engineering (PDME):
• DRAF 1800 Tech Drafting I AND DRAF 1840 Comp Aided Drafting/Design I AND DRAF 1841 Comp Aided Drafting/Design II AND DRAF 1843 Descriptive Geometry

Mechanical Engineering (ME):
• DRAF 1800 Tech Drafting I AND DRAF 1840 Comp Aided Drafting/Design I AND DRAF 1841 Comp Aided Drafting/Design II AND DRAF 1843 Descriptive Geometry

Engineering Technology (ET):
• ACCT 1614 Accounting I AND ACCT 1616 Accounting II (Engineering Technology Management ONLY)
• BUSI 1805 Marketing (Engineering Technology Management ONLY)
• DRAF 1800 Tech Drafting I AND DRAF 1840 Comp Aided Drafting/Design I AND DRAF 1841 Comp Aided Drafting/Design II AND DRAF 1843 Descriptive Geometry
• PRGM 1025 C Programming
• PHYS 1600 Physics I (LAB)
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.

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