COLLEGE of ENGINEERING
HIGHLAND
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)
• ENG 101 Composition I
• ENG 102 Composition II: Literature & Research or ENG 103 Composition II: Rhetoric & Research
• SP 101 Oral Communications or SP 106 Public Speaking

INTRODUCTORY FINE ARTS
(complete one course - for at least 3 credit hours)
• A 101 Art Appreciation
• A 112 Ceramics I
• A 201 Art History I
• A 202 Art History II
• M 103 Music History & Appreciation
• M 162 Intro to World Music
• TH 105 Intro to Dramatics
• TH 108 History & Appreciation of Theatre Art

INTRODUCTORY HUMANITIES
(complete one course - for at least 3 credit hours except Computer Science (CS) – see page 2)
ENGL
• ENG 104 Intro to Literature
HIST
• HIS 101 US History I
• HIS 102 US History II
• HIS 103 Hist of Western Civilization I
• HIS 104 Hist of Western Civ II
• HIS 204 Readings in Western Civ I
PHIL
• PHI 101 Intro to Philosophy
• PHI 102 Intro to Ethics
• PHI 103 Logic & Critical Thinking
REL
• ENG 205 Old Testament Literature
• PHI 105 Religions of the World
SPAN
• LG 201 Spanish III

INTRODUCTORY SOCIAL & BEHAVIORAL SCIENCES
(complete two courses - one in each of two subject areas - for at least 6 credit hours)
ANTH
• ANT 100 Intro to Archaeology
• ANT 112 General Anthropology
CJ
• CJ 100 Intro to Criminal Justice
COMM
• MT 111 Intro to Media Technology
ECON
• BUS 203 Macroeconomics
GEOG
• GEO 212 World Regional Geography
POLS
• POL 100 US Government
• POL 101 Intro to Political Science
PSY
• PSY 101 General Psychology
SOC
• SOC 101 General Sociology
SCWK
• SOC 104 Intro 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
• SP 105 Interpersonal Communication
ENGL
• ENG 202 American Literature I
• ENG 208 Intro to the Short Story
• ENG 209 American Literature II
• ENG 210 World Literature I
• ENG 211 World Literature II
• ENG 212 English Literature I
• ENG 213 English Literature II

FURTHER STUDY SOCIAL & BEHAVIORAL SCIENCES
ECON
• BUS 204 Microeconomics
POLS
• POL 115 State & Local Government
PSY
• PSY 202 Child Psychology
• PSY 205 Human Growth & Development
• PSY 206 Social Psychology
SOC
• SOC 102 Marriage & the Family
• SOC 210 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:
• PS 111 College Chemistry I (LAB) (except CS and CE)
• MAT 106 Calculus
• MAT 110 Calculus II
• MAT 201 Calculus III (ONLY ME, AE and EE)
• MAT 202 Differential Equations (CS, IE and ET)
• PS 215 College Physics I (LAB) (except ET)
• PS 216 College 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
• BS 101 College Biology (LAB)
• BS 104 Human Anatomy AND BS 105 Human Physiology (LAB)
• BS 201 General Zoology AND BS 202 General Botany (LAB)

CHEM
• PS 112 College Chemistry II (LAB)

• PS 210 Organic Chemistry I (LAB)

GEOL
• BS 107 Intro to Environmental Science (LAB)
• PS 104 Physical Geology (LAB)

PHYS
• PS 108 Astronomy (LAB)

OTHER COURSES BY MAJOR:
Aerospace Engineering (AE):
• CAD 101 Technical Drawing I AND
  CAD 151 Technical Drawing II AND
  CAD 201 Technical Drawing III AND
  CAD 251 Technical Drawing IV

Biomedical Engineering (BME):
• BS 104 Human Anatomy AND BS 105 Human Physiology (LAB)
• BS 201 General Zoology AND BS 202 General Botany (LAB)
• PS 112 College Chemistry II (LAB)

Computer Engineering (CE):
• Major courses at WSU

Computer Science (CS):
• Computer Science majors choose
  PHI 103 Introduction to Philosophy
  (minimum grade of C or better).
  PHI 103 will also satisfy the general
  education humanities requirement.

Electrical Engineering (EE):
• Major courses at WSU

Industrial Engineering (IE):
• CAD 101 Technical Drawing I AND
  CAD 151 Technical Drawing II AND
  CAD 201 Technical Drawing III AND
  CAD 251 Technical Drawing IV

Product Design & Manufacturing Engineering (PDME):
• CAD 101 Technical Drawing I AND
  CAD 151 Technical Drawing II AND
  CAD 201 Technical Drawing III AND
  CAD 251 Technical Drawing IV

Mechanical Engineering (ME):
• CAD 101 Technical Drawing I AND
  CAD 151 Technical Drawing II AND
  CAD 201 Technical Drawing III AND
  CAD 251 Technical Drawing IV

Engineering Technology (ET):
• BUS 103 Accounting I OR BUS 200 Financial Accounting
  (Engineering Technology Management ONLY)
• BUS 210 Marketing (Engineering Technology Management ONLY)
• CAD 101 Technical Drawing I AND
  CAD 151 Technical Drawing II AND
  CAD 201 Technical Drawing III AND
  CAD 251 Technical Drawing IV
• PS 203 General 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