COLLEGE of ENGINEERING
WSU TECH
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 120 Composition II
- SPH 101 Public Speaking

INTRODUCTORY FINE ARTS
(complete one course - for at least 3 credit hours)
- ART 100 Art Appreciation
- THR 100 Theatre Appreciation

INTRODUCTORY HUMANITIES
(complete one course - for at least 3 credit hours except Computer Science (CS) – see page 2)
- ENGL
  - ENG 110 Intro to Literature
- HIST
  - HIS 110 U.S. History to 1877
  - HIS 120 U.S. History since 1865
  - HIS 130 World History I
- PHIL
  - PHL 110 Ethics
  - PHL 115 Logic
- REL
  - REL 101 New Testament

INTRODUCTORY SOCIAL & BEHAVIORAL SCIENCES
(complete two courses - one in each of two subject areas - for at least 6 credit hours)
- CJ
  - CRJ 101 Intro to Criminal Justice
- ECON
  - ECO 105 Prin of Macroeconomics
- GEOG
  - GEO 101 Principles of Geography
- POLS
  - POL 101 American Government
- PSY
  - PSY 101 General Psychology
- SOC
  - SOC 101 Principles of Sociology

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
- SPH 111 Interpersonal Comm

FURTHER STUDY SOCIAL & BEHAVIORAL SCIENCES
ECON
- ECO 110 Prin of Microeconomics
ETHS
- CRJ 155 Policing Diverse Cultures
PSY
- PSY 110 Child Psychology
- PSY 120 Developmental Psychology
SOC
- SOC 115 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:
- CHM 125 Chemistry I (LAB) (except CS and CE)
- MTH 125 Calculus I
- MTH 150 Calculus II

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

BIOL
- BIO 120 Environmental Biology
- BIO 130 Biology I (LAB)
- BIO 135 Biology II (LAB)
- BIO 150 Human Anatomy & Physiology (LAB)

CHEM
- CHM 135 Chemistry II (LAB)
PHYS
• PHS 115 Intro Astronomy (LAB)

OTHER COURSES BY MAJOR:
Aerospace Engineering (AE):
• MCD 101 Introduction to CAD I AND MCD 102 Introduction to CAD II AND MCD 105 Technical Drafting

Biomedical Engineering (BME):
• BIO 150 Human Anatomy & Physiology (LAB)
• CHM 135 Chemistry II (LAB)

Computer Engineering (CE):
• AVT 125 Digital Electronics Fundamentals AND AVT 126 Digital Electronics Fundamentals Lab

Computer Science (CS):
• Computer Science majors choose PHL 115 Logic (minimum grade of C or better). PHL 115 will also satisfy the general education humanities requirement.
• AVT 125 Digital Electronics Fundamentals AND AVT 126 Digital Electronics Fundamentals Lab

Electrical Engineering (EE):
• AVT 125 Digital Electronics Fundamentals AND AVT 126 Digital Electronics Fundamentals Lab

Industrial Engineering (IE):
• MCD 101 Introduction to CAD I AND MCD 102 Introduction to CAD II AND MCD 105 Technical Drafting

Product Design & Manufacturing Engineering (PDME):
• MCD 101 Introduction to CAD I AND MCD 102 Introduction to CAD II AND MCD 105 Technical Drafting

Mechanical Engineering (ME):
• MCD 101 Introduction to CAD I AND MCD 102 Introduction to CAD II AND MCD 105 Technical Drafting

Engineering Technology (ET):
• ACC 160 Principles of Accounting I AND ACC 170 Principles of Accounting II (Engineering Technology Management ONLY)
• BUS 140 Principles of Marketing (Engineering Technology Management ONLY)
• MCD 101 Introduction to CAD I AND MCD 102 Introduction to CAD II AND MCD 105 Technical Drafting
• PHS 120 Gen 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 information on 2+2 Pathway Articulation Agreements between WSU and WSU Tech in Engineering Technology Management or Mechatronics Technology 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