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 102 English Composition I or ENG 150 English Comp I Honors
• ENG 103 English Composition II or ENG 151 English Comp II Honors
• SP 106 Public Speaking

INTRODUCTORY FINE ARTS
(complete one course - for at least 3 credit hours)
• ART 101 Art Appreciation
• ART 150 Survey of Art History I
• ART 151 Survey of Art History II
• ART 216 Intro to Ceramics
• MUSC 105 Understanding Music

INTRODUCTORY HUMANITIES
(complete one course - for at least 3 credit hours except Computer Science (CS) – see page 2)
ENGL
• ENG 202 Intro to Literature
HIST
• HIST 101 American History I
• HIST 102 American History II

INTRODUCTORY SOCIAL & BEHAVIORAL SCIENCES
(complete two courses - one in each of two subject areas - for at least 6 credit hours)
ANTH
• ANTH 111 Anthropology
CJ
• CJC 101 Intro to Criminal Justice
• CJC 219 Criminology
ECON
• ECON 101 Prin of Macroeconomics
• ECON 102 Prin of Microeconomics
GEOG
• GEO 101 Geography
POLS
• GOV 101 American National Government
PSY
• PSY 101 General Psychology
SOC
• SOC 101 Principles of Sociology I
SCWK
• SW 201 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 206 Interpersonal Comm
ENGL
• ENG 204 English Literature I
• ENG 206 World Literature
• ENG 209 American Literature I
• ENG 210 American Literature II
HIST
• HIST 110 Kansas History
• HIST 235 The Vietnam War

FURTHER STUDY SOCIAL & BEHAVIORAL SCIENCES
ECON
• ECON 102 Prin of Microeconomics
POLS
• GOV 102 State & Local Government
PSY
• BUS 149 Human Relations
• ECE 105 Child Growth & Develop
• PSY 102 Human Growth & Develop
• PSY 202 Developmental Psychology
• PSY 255 Social Psychology
SOC
• CJC 201 Juvenile Delinquency & Justice
• CJC 220 Criminology & Deviance
• SOC 201 Social Problems
• SOC 203 Sociology of Families
• SOC 204 Intro to Inequality

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 and 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 111 AND CHML 111 College Chemistry I (LAB) (except CS and CE)
• MATH 120 Analytic Geom & Calc I
• MATH 221 Analytic Geom & Calc II
• MATH 222 Analytic Geom & Calc III (ONLY ME, AE and EE)
• PHYS 231 AND PHYY 231 Engineering Physics I (LAB) (except ET)
• PHYS 233 AND PHYY 233 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
• BIO 203 Environmental Science
• BIO 111 AND BIOL 111 Cellular Biology & Genetics (LAB)
• BIO 211 AND BIOL 211 Animal & Plant Biology (LAB)

• ZOO 201 AND ZOO 202 AND ZOOL 201 AND ZOOL 202 Human Anatomy & Physiology I & II (LAB)
• ZOO 203 Anatomy & Physiology I AND ZOO 204 Anatomy & Physiology II (LAB)

CHEM
• CHEM 112 AND CHML 112 College Chemistry II (LAB)
• CHEM 241 Organic Chemistry I AND CHEM 242 Organic Chem I (LAB)

GEOL
• GEL 101 Intro to Geology AND GELL 102 Intro to Geology (LAB)
• MET 105 AND METL 105 Intro to Meteorology (LAB)

PHYS
• PHYS 110 Intro to Astronomy AND PHYS 112 Astronomy (LAB)

OTHER COURSES BY MAJOR:
Aerospace Engineering (AE):
• ENGR 210 Statics
• MT 170 Intro to 2D CAD AND MT 171 Intro to 3D CAD

Biomedical Engineering (BME):
• CHEM 112 AND CHML 112 College Chemistry II (LAB)
• BIO 102 Principles of Biology (LAB) (or) BIO 111 AND BIOL 111 Cellular Biology & Genetics (LAB)
• ZOO 201 & ZOO 202 AND ZOOL 201 & ZOOL 202 Human Anatomy & Physiology I & II (LAB) (or) ZOO 203 Anatomy & Physiology I AND ZOO 204 Anatomy & Physiology II (LAB) (or) ZOO 205 Anat & Phys (LAB)
• ENGR 210 Statics

Computer Engineering (CE):
• Major courses at WSU

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.

Electrical Engineering (EE):
• ENGR 210 Statics

Industrial Engineering (IE):
• MT 170 Intro to 2D CAD AND MT 171 Intro to 3D CAD

Product Design & Manufacturing Engineering (PDME):
• ENGR 210 Statics

• MT 170 Intro to 2D CAD AND MT 171 Intro to 3D CAD

Mechanical Engineering (ME):
• ENGR 210 Statics
• MT 170 Intro to 2D CAD AND MT 171 Intro to 3D CAD

Engineering Technology (ET):
• BUS 122 Intro to Accounting I AND BUS 123 Intro to Accounting II OR BUS 130 Financial Accounting (ONLY for Engineering Technology Management)
• MT 170 Intro to 2D CAD AND MT 171 Intro to 3D CAD
• PHYS 201 AND PHYY 201 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