

COLLEGE of ENGINEERING HUTCHINSON 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)

- EN 100 English Composition IB **or** EN 101 English Composition IA
- EN102 English Composition II **or** EN 102H Honors English Composition II
- SH 101 Public Speaking **or** SH 101H Honors Public Speaking

INTRODUCTORY FINE ARTS

(complete one course - for at least **3** credit hours)

- AR 101 Art Appreciation
- AR 101H Honors Art Appreciation
- AR 104 Art History: Paleolithic-Medieval
- AR 105 Art History: Renaissance-Modern
- AR 117 Ceramics II
- MU 101 Music Appreciation
- MU 101H Hnrs Music Appreciation
- TH 115 Theatre Appreciation
- TH 115H Honors Theatre Appreciation

INTRODUCTORY HUMANITIES

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

ENGL

- EN 121 World Mythology
- EN 201 Intro to Literature
- EN 216 Vampires in Literature/Film

HIST

- HI 101 American Hist 1492-1865
- HI 101H Honors American History 1492-1865
- HI 102 American Hist 1865-Present
- HI 102H Honors American History 1865-Present
- HI 103 World History to 1600
- HI 104 World History Since 1600
- HI 105 European History 1500-1815
- HI 105H Honors European History 1500-1815
- HI 116 Hist of Medieval Civilization

PHIL

- PL 101 Intro to Philosophy
- PL 101H Honors Intro to Philosophy
- PL 103 Introductory Logic
- PL 104 Ethics
- PL 104H Honors Ethics
- PL 105 Death & Dying

REL

- RE 101 New Testament Literature
- RE 102 Old Testament Literature
- RE 106 Intro to World Religions

SPAN

- SP 105 Elementary Spanish III

INTRODUCTORY SOCIAL & BEHAVIORAL SCIENCES

(complete two courses - one in each of two subject areas - for at least **6** credit hours)

ANTH

- SO 111 Cultural Anthropology
- SO 111H Honors Cultural Anthropology

CJ

- LE 101 Intro to Criminal Justice

COMM

- JL 101 Intro to Mass Communications

ECON

- EC 100 Macroeconomics
- EC 100H Honors Macroeconomics

GEOG

- GE 101 World Geography

POLS

- GO 100 American Government
- GO 102 International Relations

PSY

- PS 100 General Psychology
- PS 100H Honors General Psychology

SOC

- SO 100 Fund of Sociology
- SO 100H Honors Fund of Sociology

SCWK

- SO 122 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

- SH 210 Interpersonal Communication
- SH 220 Persuasive Communication
- SH 225 Argumentation & Advocacy

ENGL

- EN 202 British Literature I
- EN 202H Honors British Lit I
- EN 203 British Literature II
- EN 203H Honors British Lit II
- EN 204 American Literature I
- EN 204H Honors American Literature I
- EN 205 American Literature II
- EN 205H Honors American Literature II
- EN 206 Contemporary Literature
- EN 207 Intro to Shakespeare



RECOMMENDED TRANSFER COURSES



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UNIVERSITY

- EN 214 Intro to Cultural Studies: Fairy Tales
- EN 214H Honors Intro to Cultural Studies: Fairy Tales

HIST

- HI 106 European History 1815-Present
- HI 115 History of Ancient Rome

FURTHER STUDY SOCIAL & BEHAVIORAL SCIENCES

ECON

- EC 101 Microeconomics
- EC 101H Honors Microeconomics

ETHS

- SO 113 Cultural Diversity

POLS

- GO 101 State & Local Government

PSY

- CC 105 Infant & Toddler Development
 - PS 102 Human Growth & Development
 - PS 102H Honors Human Growth & Development
 - PS 201 Psychology of Personality
- #### SOC
- SO 101 Marriage & Family
 - SO 101H Honors Marriage & Family
 - SO 201 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:

- CH 105 **AND** CH105L Chem I (LAB) **(except CS and CE)**
- MA 111 Analytical Geometry & Calculus I (or) MA 112H **AND** MA 112L Honors Analytical Geometry & Calculus I
- MA 113 Analytical Geometry & Calculus II (or) MA 114H **AND** MA 114L Honors Analytical Geometry & Calculus II
- MA 201 Analytical Geometry & Calculus III **(ONLY ME, AE and EE)** (or) MA 202H **AND** MA 202L Honors Analytical Geometry & Calculus III **(ONLY ME, AE and EE)**
- MA 206 Differential Equations **(except CS, IE and ET)**
- MA 108 Elements of Statistics **(except AE, ET and ME)**
- PY 201 **AND** PY 201L Engineering Physics I (Lab) **(except ET)**
- PY 202 **AND** PY 202L Engineering Physics II (Lab) **(except ET)**

NATURAL SCIENCES ELECTIVE -

ONLY Aerospace, Industrial & Mechanical Engineering majors:
(complete one course in **BIOL, CHEM, or GEOL** – lab required)

BIOL

- BI 103 **AND** BI 103L Human Anatomy & Physiology (LAB)
- BI 104 **AND** BI 104L Biology I (LAB)
- BI 105 **AND** BI 105L Biology II (LAB)

CHEM

- CH 106 **AND** CH 106L Chem II (LAB)
- CH 108 **AND** CH 108L Principles of Organic & Biochemistry (LAB) (or) CH 201 **AND** CH 201L Organic Chemistry I (LAB)

GEOL

- PY 103 **AND** PY 104L Physical Geology (Lab) (or) PY 103H **AND** PY 104L Honors Physical Geology (LAB)

OTHER COURSES BY MAJOR:

Aerospace Engineering (AE):

- DR 101 Technical Drafting **AND** DR 102 Machine Drafting (or) MA 130 Engineering Graphics I
- PY 205 Engineering Mechanics-Statics

Biomedical Engineering (BME):

- BI 103 **AND** BI 103L Human Anatomy & Physiology (Lab)
- BI 104 **AND** BI 104L Biology I (Lab)
- CH 106 **AND** CH 106L Chemistry II (Lab)
- PY 205 Engineering Mechanics-Statics

Computer Engineering (CE):

- CS 106 Computer Engineering
- CS 200 Problem Solving & Programming
- CS 203 Discrete Structures I
- IS 224 Networking II





RECOMMENDED TRANSFER COURSES



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Computer Science (CS):

- Computer Science majors choose PL 103 Introductory Logic (minimum grade of C or better). PL 103 will also satisfy the general education humanities requirement.
- CS 106 Computer Engineering
- CS 200 Problem Solving & Programming
- CS 203 Discrete Structures I
- IS 224 Networking II

Electrical Engineering (EE):

- CS 106 Computer Engineering
- CS 200 Problem Solving & Programming
- PY 205 Engineering Mechanics-Statics

Industrial Engineering (IE):

- CS 200 Problem Solving & Programming
- DR 101 Technical Drafting **AND** DR 102 Machine Drafting (or) MA 130 Engineering Graphics I
- MC 114 Machine Tool Processes **AND** MC 201 Machining Fundamentals III

Product Design & Manufacturing Engineering (PDME):

- DR 101 Technical Drafting **AND** DR 102 Machine Drafting (or) MA 130 Engineering Graphics I
- MC 114 Machine Tool Processes **AND** MC 201 Machining Fundamentals III
- PY 205 Engineering Mechanics-Statics

Mechanical Engineering (ME):

- DR 101 Technical Drafting **AND** DR 102 Machine Drafting (or) MA 130 Engineering Graphics I
- PY 205 Engineering Mechanics-Statics

Engineering Technology (ET):

- BU 101 Accounting I **AND** BU 102 Accounting II (**Engineering Technology Management ONLY**)
- BU 202 Marketing (**Engineering Technology Management ONLY**)
- CS 106 Computer Engineering (**Mechatronics Technology ONLY**)
- CS 200 Problem Solving and Programming
- DR 101 Technical Drafting **AND** DR 102 Machine Drafting (or) MA 130 Engineering Graphics I
- MC 114 Machine Tool Processes **AND** MC 201 Machining Fundamentals III
- PY 112 **AND** PY 112L 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