RECOMMENDED TRANSFER COURSES

2025-2026 Transfer Guide

WICHITA STATE UNIVERSITY

WSU Transfer Students Should Remember:

Dual Advising
WSU strongly suggests that potential transfer students involve their WSU advisor in program planning. Sign up for dual advising here: www.wichita.edu/dualadvising

WSU Admission Requirements
If you are a transfer student with 24 credit hours or more, you must: Have a minimum 2.00 cumulative GPA (on a 4.00 scale) on all previous college work. If you are a transfer student under age 21, with fewer than 24 credit hours, you must: Have a minimum 2.00 cumulative GPA (on a 4.00 scale on all previous college work and meet the freshman requirements. Some academic colleges at WSU have an additional higher transfer GPA requirement for admission. Visit https://www.wichita.edu/admissions/undergraduate/qa.php

WSU Transfer Credit Acceptance
It is the policy of 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.

Graduation Requirements
To qualify for graduation with a WSU bachelor's degree, transfer students must meet certain requirements such as course credit hours, levels, GPA, and residency. Transfer students should visit the following page to familiarize themselves with all requirements: http://catalog.wichita.edu/undergraduate/academic-information/graduation/

COWLEY COLLEGE

WSU COLLEGE OF ENGINEERING

www.wichita.edu/engineering
316-978-3400
wichita.edu/engadvising

- To graduate from an engineering program, a candidate must attain 2.0 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 Engineering+ requirements.
- Most engineering courses have prerequisites and/or co-requisites; the prerequisite course must have been completed before the course requiring it can be taken, and the co-requisite must be completed prior to or taken concurrently with the required course sequence.
- Specific engineering courses for each major will be provided during student advising.

NOTE:
- ***(L)*** *- For purposes of this transfer guide, "Lab" in the course name or "(L)" after the course name indicates that the WSU equivalent course carries the "laboratory" (LAB) attribute.*
- ***^*** *- For purposes of this transfer guide, the "^" symbol that appears after the course name indicates that the WSU equivalent course carries the "Diversity Content" DIVC attribute.*

General Education Program at WSU

Effective Fall 2024, WSU will follow the KBOR system-wide GE program framework which is comprised of 34-35 credit hours organized in six discipline-based "buckets" and an institutionally designed bucket. A student who satisfies all seven buckets will complete the GE program.

The 34-35 credit hours are divided as follows:

- ❖ *English Discipline Area – Bucket 1: ENG 2211 and ENG 2212.*
- ❖ *Communications Discipline Area – Bucket 2: One listed course.*
- ❖ *Mathematics & Statistics Discipline Area – Bucket 3: One listed course.*
- ❖ *Natural & Physical Science Discipline Area – Bucket 4: Four to Five hours and must include a lab. Choose one of the listed courses.*
- ❖ *Social & Behavioral Sciences Discipline Area – Bucket 5: 6 hours from at least two subject areas listed.*
- ❖ *Arts & Humanities Discipline Area – Bucket 6: Six hours from at least two subject areas listed.*
- ❖ *Institutionally Designated Area – Bucket 7: Six hours total, three hours of First-Year Seminar and three GE hours with Diversity designation.*

Cowley College courses approved for general education credit by the WSU College of Engineering are shown below.

Academic Divisions for General Education

ENGLISH DISCIPLINE AREA BUCKET 1

- ENG 2211 Composition I
- ENG 2212 Composition II

COMMUNICATIONS DISCIPLINE AREA BUCKET 2

- COM 2711 Public Speaking
- COM 2725 Interpersonal Comm

MATHEMATICS & STATISTICS DISCIPLINE AREA BUCKET 3

- MTH 4419 Quantitative Reasoning
- MTH 4420 College Algebra
- MTH 4421 College Algebra w/Rev
- MTH 4423 Elementary Statistics
- MTH 4425 Trigonometry
- MTH 4432 Calc for Bus/Econ
- MTH 4435 Calculus I
- MTH 4445 Engr Probability/Stats I

NATURAL & PHYSICAL SCIENCES DISCIPLINE AREA BUCKET 4

- BIO 4111 Principles of Biology (L)
- BIO 4119 Environ Biology w/L (L)^
- BIO 4125 General Biology I (L)
- BIO 4135 General Biology II (L)
- BIO 4148 Human Anatomy & Phys I **and** BIO 4149 Hmn Anat/Phys II (L)
- BIO 4150 Hum Anatomy & Phys (L)
- BIO 4160 Microbiology (L)
- CHM 4211 Intro to Gen, Org, Biochem w/Lab (L)
- CHM 4220 Chemistry I (L)
- CHM 4230 Chemistry II (L)
- CHM 4250 Organic Chem I (L)
- GEO 4311 Geology (L)
- PHS 4511 Physical Science (L)
- PHS 4530 Intro Astronomy (L)
- PHS 4550 General Physics I (L)
- PHS 4551 General Physics II (L)
- PHS 4560 Engineering Physics I (L)
- PHS 4561 Engineering Physics II (L)

SOCIAL & BEHAVIORAL SCIENCES DISCIPLINE AREA BUCKET 5

- ALH 5250 Intro to Public Health
- ANT 6911 Cultural Anthropology^
- ANT 6912 Anthro Linguistics
- ANT 6920 Intro to Archaeology
- CHC 5711 Dev of the Young Child
- CRJ 5411 Intro to Criminal Justice
- CRJ 5456 Criminal Law
- ECO 6113 Princ of Macroeconomics
- ECO 6114 Princ of Microeconomics
- EDU 6231 Human Growth/Develop^
- GEG 6120 Principles of Geography^
- MIN 6440 Women & Health^
- POL 6611 American National Gov
- POL 6612 State/Local Government
- PSY 6711 General Psychology
- PSY 6712 Developmental Psych
- PSY 6730 Cognitive Psychology
- SOC 6811 Principles of Sociology
- SOC 6816 Social Problems
- SOC 6821 Introduction to Social Work
- SOC 6823 Marriage/Family Relations

ARTS & HUMANITIES DISCIPLINE AREA BUCKET 6

- ALH 5339 Bioethics
- ART 2111 Art Appreciation
- ART 2141 Art Hist Prehist-Medieval
- ART 2142 Art Hist Renais-Contemp
- ART 2150 Elementary Art Methods
- ENG 2260 Intro to Creative Writing
- FOL 2330 Spanish I^
- FOL 2331 Spanish II^
- FOL 2332 Intermediate Spanish^
- HIS 6411 United States History to 1877
- HIS 6412 United States since 1865
- HIS 6420 World History I^
- HIS 6421 World History II^
- LIT 2511 Introduction to Literature
- LIT 2531 African-Amer Literature^
- LIT 2550 American Literature I
- LIT 2551 American Literature II
- LIT 2561 English Literature II
- LIT 2565 Dramatic Literature
- MCM 2411 Mass Media & Society
- MUS 2611 Music Appreciation
- PHO 6447 Introduction to Philosophy
- PHO 6460 Ethics^
- REL 6430 Comparative Religions
- REL 6432 Survey/Old Testament
- REL 6434 Survey/New Testament
- THE 2730 Theatre Appreciation^
- THE 2735 Acting

INSTITUTIONALLY DESIGNATED AREA BUCKET 7

- ANT 6930 Intro to Biophys Anthrop^
- BIO 4118 Environmental Biology^
- CAP 1516 Computer Applications (L)
- CIS 1715 Intro to Computer Science
- MTH 4440 Calculus II
- MTH 4455 Calculus III
- PHS 4535 Descriptive Astronomy

Program-Specific Requirements

ENGINEERING MAJORS

- Aerospace Engineering (AE)
- Cybersecurity (CB)
- Biomedical Engineering (BME)
- Computer Engineering (CE)
- Computer Science (CS)
- Electrical Engineering (EE)
- Industrial Engineering (IE)
- Product Design & Manufacturing Engineering (PDME)
- Mechanical Engineering (ME)
- Applied Engineering (APEN)
  Applied Engineering Concentrations:
  - Engineering Management (EM)
  - Process Automation (PA)
  - Sustainable and Environmental Engineering (SE)

MATH & NATURAL SCIENCES

Required for all College of Engineering majors.

- CHM 4220 Chemistry I (L)* *(except APEN-PA concentration, CB, CE, CS)*
- MTH 4435 Calculus I *(except CB)*
- MTH 4440 Calculus II *(except CB)*
- MTH 4445 Engineering Probability & Statistics I *(except AE, ME)*
- MTH 4455 Calculus III *(only AE, EE, ME)*
- MTH 4465 Differential Equations *(except APEN, CB, CS, IE)*
- PHS 4560 Engineering Physics I (L) *(except CB)*
- PHS 4561 Engineering Phys II (L) *(except APEN-SE concentration, CB)*

APEN-EM concentration - Choose one: CHM 4220* ***or* *PHS 4561*

OTHER COURSES BY MAJOR

Aerospace Engineering – AE
- ECO 6113 Princ of Macroeconomics
- PHS 4570 Statics

Applied Engineering – APEN
- ACC 1150 Princ of Accounting I **and** ACC 1160 Princ of Accounting II *(EM only)*
- BIO 4118 Environmental Biology^ **or** BIO 4119 Environ Biol w/L (L)^
- ECO 6113 Princ of Macroeconomics
- PHS 4570 Statics

Biomedical Engineering – BME
- BIO 4125 General Biology I (L)
- BIO 4150 Hum Anat & Phys (L)
- CHM 4230 Chemistry II (L)
- MTH 4445 Engr Probability/Stats I
- PHS 4555 Engineering Economy
- PHS 4570 Statics

Computer Engineering – CE
- CIS 1876 C Programming
- CIS 1894 Intro to Digital Design
- CIS 1909 Assembly Lang Progr
- MTH 4445 Engr Probability/Stats I
- PHS 4555 Engineering Economy

Computer Science – CS
- CIS 1876 C Programming
- CIS 1894 Intro to Digital Design
- MTH 4445 Engr Probability/Stats I
- PHS 4555 Engineering Economy

Cybersecurity – CB
- ECO 6113 Princ of Macroeconomics
- MTH 4425 Trigonometry
- PHS 4550 General Physics I (L)
- PSY 6711 General Psychology

Electrical Engineering – EE
- CIS 1876 C Programming
- CIS 1894 Intro to Digital Design
- MTH 4445 Engr Probability/Stats I
- PHS 4555 Engineering Economy

Industrial Engineering – IE
- CIS 1876 C Programming
- MTH 4445 Engr Probability/Stats I
- PHS 4555 Engineering Economy

Mechanical Engineering – ME
- PHS 4570 Statics

Product Design & Manufacturing Engineering – PDME
- CIS 1876 C Programming
- MTH 4445 Engr Probability/Stats I
- PHS 4555 Engineering Economy
- PHS 4570 Statics

Courses that Fulfill General Education & Program Requirements

Certain general education courses are also used as program requirements in the WSU College of Engineering. These courses can be applied to the programs through transfer credits. WSU strongly recommends that students looking at these programs take the following courses to fulfill both General Education and program requirements simultaneously.

Aerospace Engineering – AE
- ECO 6113 Princ of Macroeconomics
- PHS 4560 Engineering Physics I (L)

Applied Engineering – APEN
- ECO 6113 Princ of Macroeconomics
- PHS 4560 Engineering Physics I (L)

Biomedical Engineering – BME
- CHM 4220 Chemistry I (L)

Computer Engineering – CE
- PHS 4561 Engineering Physics II (L)

Computer Science – CS
- PHS 4561 Engineering Physics II (L)

Cybersecurity – CB
- ECO 6113 Princ of Macroeconomics
- PHS 4550 General Physics I (L)
- PSY 6711 General Psychology

Electrical Engineering – EE
- CHM 4220 Chemistry I (L)

Industrial Engineering – IE
- CHM 4220 Chemistry I (L)

Mechanical Engineering – ME
- CHM 4220 Chemistry I (L)

Product Design & Manufacturing Engineering – PDME
- PHS 4560 Engineering Physics I (L)