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/

SEWARD COUNTY COMMUNITY 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: EG 1103 and EG 1113.*
- ❖ *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.*

Seward County CC 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

- EG 1103 English Composition I
- EG 1113 English Composition II

COMMUNICATIONS DISCIPLINE AREA BUCKET 2
- SP 1103 Interpersonal Comm
- SP 1203 Public Speaking

MATHEMATICS & STATISTICS DISCIPLINE AREA BUCKET 3
- MA 1163 Contemporary Math
- MA 1173 College Algebra
- MA 1175 College Algebra w/Review
- MA 1183 Trigonometry
- MA 2103 Elementary Statistics
- MA 2304 Business Calculus
- MA 2605 Analytic Geometry/Calc I

NATURAL & PHYSICAL SCIENCES DISCIPLINE AREA BUCKET 4
- BI 1305 Principles of Biology (L)
- BI 1505 Biology I for Majors (L)
- BI 1515 Biology II for Majors (L)
- BI 2114 Anatomy & Physiology I **and** BI 2124 Anatomy & Phys II (L)
- BI 2115 Anat & Phys Lect & Lab (L)
- BI 2304 Human Anatomy **and** BI 2314 Human Physiology (L)
- BI 2705 Microbiology (L)
- CH 1105 Chemistry in Society (L)
- CH 1205 Intro to Chemistry (L)
- CH 1505 College Chemistry I (L)
- CH 1515 College Chemistry II (L)
- CH 2605 Organic Chemistry I (L)
- PS 1115 Physical Science (L)
- PS 1323 Environmental Science^ **and** PS 1322 Environ Sci Lab (L)
- PS 1775 Introduction to Geology (L)
- PS 2205 General Physics I (L)
- PS 2215 General Physics II (L)
- PS 2505 Engineering Physics I (L)
- PS 2515 Engineering Physics II (L)

SOCIAL & BEHAVIORAL SCIENCES DISCIPLINE AREA BUCKET 5
- BH 1303 General Psychology
- BH 1403 Principles of Sociology
- BH 1613 Intro Cultural Anthrop^
- BH 2303 Developmental Psych
- BH 2403 Marriage & the Family
- CJ 1203 Intro to Criminal Justice
- CJ 1803 Criminology
- CJ 2313 Juvenile Justice
- CJ 2533 Criminal Law
- EC 2213 Princ of Macroeconomics
- EC 2223 Princ of Microeconomics
- GE 1103 Wrld Regional Geography^
- SS 1403 American National Gov
- SS 1503 Leadership Concepts

ARTS & HUMANITIES DISCIPLINE AREA BUCKET 6
- AR 1303 Ceramics I
- AR 1313 Ceramics II
- AR 1323 Art Appreciation
- AR 1703 Survey of Art History I
- AR 1713 Survey of Art History II
- BA 1603 Business Ethics^
- DR 1203 Acting I
- DR 1503 Introduction to Cinema
- DR 2203 Theater Appreciation^
- ED 1203 Art in the Elem School
- ED 1403 Elementary School Music
- EG 1303 Introduction to Literature
- EG 1763 World Literature^
- EG 2103 Creative Writing
- EG 2303 English Literature I
- EG 2403 American Literature I
- EG 2413 American Literature II
- HS 1303 American Hist I 1492-1877
- HS 1313 American Hist II 1877-Pres
- HS 1603 World Civilization I^
- HS 1613 World Civilization II^
- ML 1205 Elementary Spanish I^
- ML 1215 Elementary Spanish II^
- ML 1405 Elementary French I^
- MO 1603 Intro to Mass Comm
- MU 1203 Music Appreciation
- MU 1803 Jazz Appreciation^
- PH 1303 Intro to the Old Testament
- PH 1313 Intro to the New Testament
- PH 1323 Survey of World Religions
- PH 2103 Introduction to Ethics^
- PH 2203 Introduction to Philosophy

INSTITUTIONALLY DESIGNATED AREA BUCKET 7
- BH 1603 Physical Anthropology^
- BI 1113 Field Biology^
- CS 1203 Intro Compu Conc/App (L)
- MA 2615 Analytic Geometry/Calc II
- MA 2625 Calculus III
- PS 1313 Introduction to 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.
- CH 1505 College Chemistry I (L)* *(except APEN-PA concentration, CB, CE, CS)*
- MA 2605 Analytic Geom/Calc I *(except CB)*
- MA 2615 Analytic Geom/Calc II *(except CB)*
- MA 2625 Calculus III *(only AE, EE, ME)*
- MA 2903 Differential Equations *(except APEN, CB, CS, IE)*
- PS 2505 Engineering Physics I (L) *(except CB)*
- PS 2515 Engineering Physics II (L)* *(except APEN-SE concentration, CB)*

APEN-EM concentration - Choose one: CH 1505* ***or* *PS 2515*

OTHER COURSES BY MAJOR
Aerospace Engineering – AE
- DF 1003 Intro Compu Aided Drafting **and** DF 1013 Orthograp Views/Proj **and** DF 1103 Print Reading **or** DF 1012 Geometric Constructions **and** DF 1143 Technical Drafting II **and** DF 1153 Parametric Modeling

- EC 2213 Princ of Macroeconomics

Applied Engineering – APEN
- AC 1203 Accounting I
  and AC 1213 Accounting II *(EM only)*
- DF 1003 Intro Compu Aided Drafting
  and DF 1013 Orthograp Views/Proj
  and DF 1103 Print Reading
  or DF 1012 Geometric Constructions
  and DF 1143 Technical Drafting II
  and DF 1153 Parametric Modeling
- EC 2213 Princ of Macroeconomics
- MA 2103 Elementary Statistics
- PS 1323 Environmental Science^
  and PS 1322 Environ Sci Lab (L)

Biomedical Engineering – BME
- BI 1505 Biology I for Majors (L)
- BI 2115 Anatomy & Phys (L)
- CH 1515 College Chemistry II (L)

Computer Engineering – CE
- CS 1303 Programming Logic & Dsgn
- CS 2453 Programming Language C++

Computer Science – CS
- CS 1303 Programming Logic & Dsgn
- CS 2453 Programming Language C++

Cybersecurity – CB
- BH 1303 General Psychology
- CS 1713 CompTIA A+ Essentials
  or CS 1723 CompTIA A+ Pract Appl
- CS 1903 Information Security
- EC 2213 Princ of Macroeconomics
- MA 1183 Trigonometry
- MA 2103 Elementary Statistics
- PS 2205 General Physics I (L)

Electrical Engineering – EE
- CS 1303 Programming Logic & Dsgn

Industrial Engineering – IE
- CS 1303 Programming Logic & Dsgn
- DF 1003 Intro Compu Aided Drafting
  and DF 1013 Orthograp Views/Proj
  and DF 1103 Print Reading
  or DF 1012 Geometric Constructions
  and DF 1143 Technical Drafting II
  and DF 1153 Parametric Modeling

Mechanical Engineering – ME
- DF 1003 Intro Compu Aided Drafting
  and DF 1013 Orthograp Views/Proj
  and DF 1103 Print Reading
  or DF 1012 Geometric Constructions
  and DF 1143 Technical Drafting II
  and DF 1153 Parametric Modeling

Product Design & Manufacturing Engineering – PDME
- DF 1003 Intro Compu Aided Drafting
  and DF 1013 Orthograp Views/Proj
  and DF 1103 Print Reading
  or DF 1012 Geometric Constructions
  and DF 1143 Technical Drafting II
  and DF 1153 Parametric Modeling

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
- EC 2213 Princ of Macroeconomics
- PS 2505 Engineering Physics I (L)

Applied Engineering – APEN
- EC 2213 Princ of Macroeconomics
- PS 2505 Engineering Physics I (L)

Biomedical Engineering – BME
- CH 1505 College Chemistry I (L)

Computer Engineering – CE
- PS 2515 Engineering Physics II (L)

Computer Science – CS
- PS 2515 Engineering Physics II (L)

Cybersecurity – CB
- BH 1303 General Psychology
- EC 2213 Princ of Macroeconomics
- PS 2205 General Physics I (L)

Electrical Engineering – EE
- CH 1505 College Chemistry I (L)

Industrial Engineering – IE
- CH 1505 College Chemistry I (L)

Mechanical Engineering – ME
- CH 1505 College Chemistry I (L)

Product Design & Manufacturing Engineering – PDME
- PS 2505 Engineering Physics I (L)