RECOMMENDED TRANSFER COURSES

2024-2025 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/

INDEPENDENCE 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.*

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 1003 and ENG 1013.*
- ❖ *Communications Discipline Area – Bucket 2: COM 1203.*
- ❖ *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.*

Independence 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
- ENG 1003 English Composition I
- ENG 1013 English Composition II

COMMUNICATIONS DISCIPLINE AREA BUCKET 2
- COM 1203 Public Speaking

MATHEMATICS & STATISTICS DISCIPLINE AREA BUCKET 3
- MAT 1023 College Algebra
- MAT 1055 Analytic Geom/Calc I
- MAT 1093 Plane Trigonometry
- MAT 1103 Elementary Statistics
- MAT 1123 Contemporary Math
- MAT 1153 Business Calculus

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NATURAL & PHYSICAL SCIENCES DISCIPLINE AREA BUCKET 4

- BIO 1005 Gen Bio/Non-majors (L)
- BIO 1015 Botany **and** BIO 1025 Zoology (L)
- BIO 1115 Biology I: Principles of Cellular & Molecular Biology (L)
- BIO 2035 Environmental Biology (L)
- BIO 2045 Anatomy & Phys (L)
- BIO 2055 Microbiology (L)
- BIO 2064 Anat and Physiology II (L)
- BIO 2115 Biology II: Principles of Organismal Biology (L)
- PHS 1005 Physical Science (L)
- PHS 1015 Chem/Non-Majors (L)
- PHS 1025 Chemistry I/Majors (L)
- PHS 1035 Chemistry II/Majors (L)
- PHS 1055 College Physics I (L)
- PHS 1065 College Physics II (L)
- PHS 1085 Descript Astronomy (L)
- PHS 2035 Organic Chemistry I (L)
- PHS 2055 Engineering Phys I (L)
- PHS 2065 Engineering Phys II (L)
- PHS 2075 Intro to Orgnc Chem & Biochem (L)

SOCIAL & BEHAVIORAL SCIENCES DISCIPLINE AREA BUCKET 5

- BEH 1003 General Psychology
- BEH 1013 Child Psychology
- BEH 2003 Developmental Psych
- BEH 2013 Adolescent Psychology
- BUS 2023 Microeconomics
- BUS 2033 Macroeconomics
- GEO 2013 World Regional Geog
- POL 1013 Intro to Political Science
- POL 1023 American Government
- SOC 1003 Intro to Sociology
- SOC 1013 Sociology of Families
- SOC 1113 Intro to Criminal Justice
- SOC 1213 Intro to Social Work
- SOC 2023 Social Problems
- SOC 2113 Intro Race/Ethnic Rel

ARTS & HUMANITIES DISCIPLINE AREA BUCKET 6

- ART 1043 Art Appreciation
- ART 2023 Ceramics I
- ART 2043 Ceramics II
- BUS 2113 Business Ethics
- COM 1033 Intro to Mass Comm
- COM 1233 Interpersonal Comm
- ENG 1073 Intro to Lit (Modern)
- ENG 1083 American Literature I
- ENG 2023 Creative Writing
- ENG 2043 Intro to Dramatic Lit
- ENG 2083 Contemp Dramatic Lit
- ENG 2113 Amer Literature II
- ENG 2123 British Literature I
- ENG 2133 British Literature II
- ENG 2143 Surv African Amer Lit
- ENG 2151 Topics in Literature
- ENG 2152 Topics in Literature
- FRL 2035 Spanish III
- FRL 2043 Spanish IV
- HIS 1003 World History I
- HIS 1013 World History II
- HIS 1023 US History I to 1877
- HIS 1063 US History II 1877-Pres
- MUE 1223 Hist of Broadway Musical
- MUE 1303 Music Appreciation
- PHI 1073 Ethics
- PHI 2003 Intro to Philosophy
- PHI 2073 Logic & Classical Reasng
- REL 1013 New Testament History
- THR 1013 Theatre Appreciation
- THR 1023 Acting I
- THR 1093 Intro to Playwriting
- THR 1193 Playwriting II

INSTITUTIONALLY DESIGNATED AREA BUCKET 7

- CIT 1003 Computer Conc/App (L)
- CIT 2003 Compu Info Systems (L)
- MAT 2025 Analytical Geom/Calc II

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.

- MAT 1055 Analytic Geom & Calc I *(except CB)*
- MAT 2025 Analytical Geom & Calc II *(except CB)*
- PHS 1025 Chemistry I/Majors (L)* *(except APEN-PA concentration, CB, CE, CS)*
- MAT 1103 Elementary Statistics *(except AE, ME)*
- PHS 2055 Engineering Phys I (L) *(except CB)*
- PHS 2065 Engineering Phys II (L)* (*except APEN-SE concentration, CB)*

APEN-EM concentration - Choose one: PHS 1025* ***or* *PHS 2065*

OTHER COURSES BY MAJOR

Aerospace Engineering – AE

- BUS 2033 Macroeconomics
- EGT 1013 Computer Aided Design **or** EGT 1023 Engr Graphics I **or** FAB 1013 Solidwork Essentials
- EGT 2013 Engr Mechanics I-Statics

Applied Engineering – APEN

- ACC 1043 Financial Accounting *(EM only)*
- BIO 2035 Environmental Biology (L)
- BUS 2033 Macroeconomics
- EGT 1013 Computer Aided Design **or** EGT 1023 Engr Graphics I **or** FAB 1013 Solidwork Essentials
- EGT 2013 Engr Mechanics I-Statics
- EGT 2023 Materials & Manufacturing Processes

Biomedical Engineering – BME

- BIO 1115 Biology I: Principles of Cellular & Molecular Biology (L)
- BIO 2045 Anatomy & Physiology (L)
- EGT 1002 Intro Engineering/Design
- EGT 2013 Eng Mechanics I-Statics

- PHS 1035 Chemistry II/Majors (L)

Computer Engineering – CE
- CSE 2023 C++ Programming
- EGT 1002 Intro Engineering/Design

Computer Science – CS
- CSE 2023 C++ Programming
- EGT 1002 Intro Engineering/Design
- PHI 2073 Logic/Classical Reasoning

Cybersecurity – CB
- BEH 1003 General Psychology
- BUS 2033 Macroeconomics
- MAT 1042 Trigonometry
- PHS 1055 College Physics I (L)
- PHI 2073 Logic/Classical Reasoning

Electrical Engineering – EE
- CSE 2023 C++ Programming
- EGT 1002 Intro Engineering/Design

Industrial Engineering – IE
- CSE 2023 C++ Programming
- EGT 1002 Intro Engineering/Design
- EGT 1013 Computer Aided Design
  or EGT 1023 Engr Graphics I
  or FAB 1013 Solidwork Essentials
- EGT 2023 Materials & Mfg Process

Mechanical Engineering – ME
- EGT 1013 Computer Aided Design
  or EGT 1023 Engr Graphics I
  or FAB 1013 Solidwork Essentials
- EGT 2013 Engr Mechanics I-Statics

Product Design & Manufacturing Engineering – PDME
- CSE 2023 C++ Programming
- EGT 1002 Intro Engineering/Design
- EGT 1013 Computer Aided Design
  or EGT 1023 Engr Graphics I
  or FAB 1013 Solidwork Essentials
- EGT 2013 Engr Mechanics I-Statics
- EGT 2023 Materials & Mfg Process

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
- BUS 2033 Macroeconomics
- PHS 2055 Engineering Phys I (L)

Applied Engineering – APEN
- BUS 2033 Macroeconomics
- PHS 2055 Engineering Phys I (L)

Biomedical Engineering – BME
- PHS 1025 Chemistry I/Majors (L)

Computer Engineering – CE
- PHS 2065 Engineering Phys II (L)

Computer Science – CS
- PHS 2065 Engineering Phys II (L)

Cybersecurity – CB
- BEH 1003 General Psychology
- BUS 2033 Macroeconomics
- PHS 1055 College Physics I (L)

Electrical Engineering – EE
- PHS 1025 Chemistry I/Majors (L)

Industrial Engineering – IE
- PHS 1025 Chemistry I/Majors (L)

Mechanical Engineering – ME
- PHS 1025 Chemistry I/Majors (L)

Product Design & Manufacturing Engineering – PDME
- PHS 2055 Engineering Phys I (L)