

## 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: [wichita.edu/dualadvising](http://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 [wichita.edu/admissions/undergraduate/qa.php](http://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: [catalog.wichita.edu/undergraduate/academic-information/graduation/](http://catalog.wichita.edu/undergraduate/academic-information/graduation/)

## BUTLER COMMUNITY COLLEGE

### WSU COLLEGE OF ENGINEERING

[wichita.edu/engineering](http://wichita.edu/engineering)

316-978-3400

[wichita.edu/engadvising](http://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 101 and EG 102.
- ❖ 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: Six 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. Those students who have earned an Associate Degree or 30 credit hours prior to high school graduation and before starting classes at WSU as a degree-bound student, may be exempt from taking a First-Year Seminar course.

Butler 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 101 English Composition I
- EG 102 English Composition II

### COMMUNICATIONS DISCIPLINE AREA BUCKET 2

- SP 100 Public Speaking
- SP 102 Interpersonal Comm

### MATHEMATICS & STATISTICS DISCIPLINE AREA BUCKET 3

- MA 118 Contemporary Math with Guided Support
- MA 130 Contemporary Math
- MA 131 College Algebra w/Rev
- MA 132 Coll Algebra 1 (Mod 10)  
and MA 133 Coll Algebra 2 (Mod 11)  
and MA 134 Coll Algebra 3 (Mod 12)
- MA 135 College Algebra
- MA 140 Trigonometry
- MA 145 Pre-Calculus Mathematics
- MA 148 Calculus with Applications
- MA 151 Calculus I/Analytic Geom
- MA 208 Appl Stat w/Guided Support
- MA 210 Applied Statistics
- MA 220 Statistics for Management, Life & Social Sciences

### NATURAL & PHYSICAL SCIENCES DISCIPLINE AREA BUCKET 4

- BI 110 General Biology (L)
- BI 215 Majors Biology I-Cell (L)
- BI 220 Majors Bio II-Organism (L)
- BI 226 Anatomy & Physiology I  
and BI 227 Anatomy & Phys II (L)
- BI 240 Anatomy & Physiology (L)
- BI 250 Microbiology (L)
- CH 106 Intro to Gen Chemistry (L)
- CH 110 College Chemistry I (L)
- CH 115 College Chemistry II (L)
- CH 240 Organic Chemistry I (L)
- CH 275 Biochemistry
- PH 103 Descriptive Astronomy (L)
- PH 130 Basic Physics I (L)

- PH 143 General Physics I (L)
- PH 146 General Physics II (L)
- PH 251 Physics I (L)
- PH 252 Physics II (L)
- PS 100 General Physical Science (L)
- PS 102 Physical Geology (L)

### SOCIAL & BEHAVIORAL SCIENCES DISCIPLINE AREA BUCKET 5

- AH 131 Intro to Aging Studies^
- AN 106 Intro to Anthropology^
- CJ 102 Intro to Criminal Justice
- CJ 204 Criminal Law
- CJ 212 Criminology
- EC 200 Princ of Microeconomics
- EC 201 Princ of Macroeconomics
- PO 141 American Federal Gov
- PO 142 State/Local Government
- PO 201 International Relations^
- PO 226 Intro Comparative Politics^
- PY 115 Substance Use Awareness
- PY 160 General Psychology
- PY 260 Developmental Psychology
- PY 270 Child Psychology
- SC 120 Principles of Geography^
- SO 105 Sociology
- SO 107 Women and Gender Studies^
- SO 110 Contemporary Soc Problems
- SO 210 Marriage and Family
- SO 222 Cultural Diversity/Inclusion^
- SW 102 Introduction to Social Work

### ARTS & HUMANITIES DISCIPLINE AREA BUCKET 6

- AR 100 Art Appreciation
- AR 101 Art History I
- AR 102 Art History II
- AR 103 Art in the Elem Classroom
- AR 161 Ceramics I
- AR 262 Ceramics II
- EG 104 Creative Writing
- FL 107 Beginning Spanish 1^
- FL 108 Beginning Spanish 2^
- FL 118 Beginning French 1^
- FL 119 Beginning French 2^
- FL 201 Intermediate Spanish^
- FL 202 Spanish Readings
- FL 213 Intermediate Russian
- FL 214 Conversational Russian
- HS 131 US History I

- HS 132 US History II
- HS 201 Hist of World Civilization I^
- HS 202 Hist of World Civilization II^
- HU 100 Humnt: Ancient to Medieval
- HU 101 Humnt: Renais to Modern
- ID 128 Digital Media Ethics^
- LT 201 Introduction to Literature I
- LT 204 Introduction to Poetry
- LT 205 Introduction to the Short Story
- LT 211 British Lit I: Origins to 1784
- LT 212 British Lit II: 1784 to Pres
- LT 215 Amer Lit I: Colonial to 1865
- LT 216 American Lit II: 1865 to Pres
- LT 218 Shakespeare
- LT 235 Ethnic/Minority Literature
- MC 161 Intro to Mass Comm
- MC 206 Intro to Film Theory
- MU 100 Music Appreciation
- MU 105 Music in the Elem Classroom
- PL 101 Introduction to Logic
- PL 290 Philosophy I
- PL 291 Ethics^
- PL 292 Engineering Ethics^
- RG 190 New Testament
- RG 191 Old Testament
- RG 210 Comparative Religions
- SP 201 Intercultural Comm^
- TA 110 Acting I
- TA 206 Theatre Appreciation^

### INSTITUTIONALLY DESIGNATED AREA BUCKET 7

- BA 104 Compu Conc/Apps (L)
- EV 150 Environmental Issues^
- MA 152 Calc II/Analytic Geometry
- MA 253 Calc III/Analytic Geom
- PH 111 Introduction to Meteorology

## 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)
- 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 110 College Chemistry I/Lab (L)\*  
(except APEN-PA concentration, CB, CE, CS)
- MA 151 Calc I/Analytic Geometry  
(except CB)
- MA 152 Calc II/Analytic Geometry  
(except CB)
- MA 160 Discrete Structures (Only CE, CS)
- MA 220 Statistics for Management, Life & Social Sciences  
(except AE, ME)
- MA 253 Calc III/Analytic Geometry  
(only AE, EE, ME)
- MA 260 Differential Equations  
(except APEN, CB, CS, IE)
- PH 251 Physics I (L)  
(except CB)
- PH 252 Physics II (L)\*  
(except APEN-SE concentration, CB)

\*APEN-EM concentration - Choose one:  
CH 110 or PH 252

### OTHER COURSES BY MAJOR

#### Aerospace Engineering – AE

- EC 201 Princ of Macroeconomics
- EN 101 Engineering Graphics I  
and EN 102 Engineering Graphics II
- EN 260 Statics
- ID 223 Beg C++ w/Game Progr
- PL 292 Engineering Ethics^

#### Applied Engineering – APEN

- BA 130 Financial Accounting (EM only)
- EC 201 Princ of Macroeconomics
- EN 101 Engineering Graphics I  
and EN 102 Engineering Graphics II
- EN 201 Materials & Proc of Industry
- EN 212 Elect Circuits (PA, SE only)

- EN 260 Statics
- EV 150 Environmental Issues^
- PL 292 Engineering Ethics^

#### Biomedical Engineering – BME

- BI 215 Majors Biology I-Cell (L)
- BI 240 Anatomy & Physiology (L)
- CH 115 College Chemistry II (L)
- EC 250 Engineering Economics
- EN 260 Statics
- PL 292 Engineering Ethics^

#### Computer Engineering – CE

- EC 250 Engineering Economics
- EN 240 Intro to Digital Logic Design
- EN 250 Data Structures
- ID 128 Digital Media Ethics^
- ID 223 Beg C++ w/Game Progr
- IS 253 CCNA 1 Internetworking Fundamentals

#### Computer Science – CS

- EC 250 Engineering Economics
- EN 240 Intro to Digital Logic Design
- EN 250 Data Structures
- ID 128 Digital Media Ethics^
- ID 223 Beg C++ w/Game Progr
- IS 253 CCNA 1 Internetworking Fundamentals
- PL 101 Introduction to Logic
- SD 221 C#

#### Cybersecurity – CB

- BS 160 General Psychology
- EC 201 Princ of Macroeconomics
- ID 128 Digital Media Ethics^
- IS 101 CompTIA A+ Essentl/Ap
- IS 102 CompTIA Network+
- IS 153 Princ of Information Science
- IS 204 Digital Forensics
- IS 250 Enterprise Security Mgmt
- IS 260 Cyber Security & Internet Management Capstone
- MA 140 Trigonometry
- PH 143 General Physics I (L)
- PL 101 Introduction to Logic
- SD 201 Python Progr w/ Data Sci

#### Electrical Engineering – EE

- EC 250 Engineering Economics
- EN 240 Intro to Digital Logic Design

- ID 223 Beg C++ w/ Game Progr
- PL 292 Engineering Ethics^

#### Industrial Engineering – IE

- EC 250 Engineering Economics
- EN 101 Engineering Graphics I  
and EN 102 Engineering Graphics II
- EN 201 Materials & Proc of Industry
- ID 223 Beg C++ w/Game Progr
- PL 292 Engineering Ethics^

#### Mechanical Engineering – ME

- EN 101 Engineering Graphics I  
and EN 102 Engineering Graphics II
- EN 260 Statics
- PL 292 Engineering Ethics^

#### Product Design & Manufacturing Engineering – PDME

- EC 250 Engineering Economics
- EN 101 Engineering Graphics I  
and EN 102 Engineering Graphics II
- EN 201 Materials & Proc of Industry
- EN 260 Statics
- PL 292 Engineering Ethics^

## 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 201 Princ of Macroeconomics
- PH 251 Physics I (L)

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## RECOMMENDED TRANSFER COURSES

### 2026-2027 Transfer Guide



WICHITA STATE  
UNIVERSITY

#### **Applied Engineering – APEN**

- EC 201 Princ of Macroeconomics
- PH 251 Physics I (L)

#### **Biomedical Engineering – BME**

- CH 110 College Chemistry I (L)

#### **Computer Engineering – CE**

- PH 252 Physics II (L)

#### **Computer Science – CS**

- PH 252 Physics II (L)

#### **Cybersecurity – CB**

- BS 160 General Psychology
- EC 201 Princ of Macroeconomics
- PH 143 General Physics I (L)

#### **Electrical Engineering – EE**

- CH 110 College Chemistry I (L)

#### **Industrial Engineering – IE**

- CH 110 College Chemistry I (L)

#### **Mechanical Engineering – ME**

- CH 110 College Chemistry I (L)

#### **Product Design & Manufacturing Engineering – PDME**

- PH 251 Physics I (L)