

## 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](http://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/>

## BARTON COMMUNITY COLLEGE

### WSU COLLEGE OF ENGINEERING

[www.wichita.edu/engineering](http://www.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: ENGL 1204 or ENGL 1209 and ENGL 1206
- ❖ 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.

Barton 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

- ENGL 1204 English Composition I or ENGL 1209 Engl Comp I w/Rev
- ENGL 1206 English Composition II

### COMMUNICATIONS DISCIPLINE AREA BUCKET 2

- COMM 1200 Interpersonal Comm
- COMM 1230 Public Speaking

### MATHEMATICS & STATISTICS DISCIPLINE AREA BUCKET 3

- MATH 1823 Contemporary Math
- MATH 1826 Intrmd/Coll Algebra
- MATH 1828 College Algebra
- MATH 1830 Trigonometry
- MATH 1831 Business Calculus
- MATH 1832 Analytic Geom/Calc I
- MATH 1840 Intro Contemp Math
- QMAT 1826 Contemporary Math
- QMAT 1828 Contemporary Math
- STAT 1265 Elements of Statistics
- STAT 1829 Elements of Statistics
- STAT 1833 Elements of Statistics

### NATURAL & PHYSICAL SCIENCES DISCIPLINE AREA BUCKET 4

- CHEM 1802 Fund of Gen Chem (L)
- CHEM 1804 Elem Organic Chem (L)
- CHEM 1806 College Chem I (L)
- CHEM 1808 College Chem II (L)
- CHEM 1814 Organic Chem I (L)
- LIFE 1402 Principles of Biology (L)
- LIFE 1406 Principles of Botany (L)  
and LIFE 1410 Princ of Zoology (L)
- LIFE 1407 Anatomy & Physiology I  
and LIFE 1409 Anat & Phys II (L)
- LIFE 1408 Anatomy & Phys (L)
- LIFE 1412 Princ of Microbiology (L)
- LIFE 1413 Environmental Science<sup>^</sup>
- LIFE 1414 Environm Science (L)
- PHSC 1400 Physical Science (L)
- PHSC 1408 Astronomy (5 hours) (L)
- PHYS 1600 Physics I (L)
- PHYS 1602 Physics II (L)
- PHYS 1604 Engr Physics I (L)
- PHYS 1606 Engr Physics II (L)

### SOCIAL & BEHAVIORAL SCIENCES DISCIPLINE AREA BUCKET 5

- ANTH 1816 Cultural Anthropology<sup>^</sup>
- ANTH 1823 Linguistic Anthropol

- CHLD 1505 Childhood Grwth & Dev
- CORR 1008 Special Pop Correction<sup>^</sup>
- CRIM 1600 Intro to Criminal Justice
- CRIM 1610 Criminology
- CRIM 1614 Criminal Law
- CRIM 1621 KLETC
- CRIM 1659 CJ Intrvw/Rprt Wrting
- ECON 1610 Princ Macroeconomics
- ECON 1612 Princ Microeconomics
- GEOG 1819 World & Regional Geog<sup>^</sup>
- GEOG 1823 North American Geog<sup>^</sup>
- PHSC 1404 Physical Geography
- PHSC 1405 Physical Geog Lab
- POLS 1800 Government of US
- POLS 1801 Intro to Political Science
- POLS 1804 International Relations<sup>^</sup>
- POLS 1815 Intro UN/Internat'l Org
- POLS 1828 State & Local Gov
- PSYC 1000 General Psychology
- PSYC 1014 Developmental Psych
- PSYC 1016 Social Psychology
- SOCI 1100 Introduction to Sociology
- SOCI 1102 Marriage & Family
- SOCI 1104 Contemp Social Prblms
- SOCI 1106 Intro to Social Work
- SOCI 1129 Cross Cultur Awareness<sup>^</sup>
- SOCI 1138 Women in Society<sup>^</sup>

### ARTS & HUMANITIES DISCIPLINE AREA BUCKET 6

- ARTS 1200 Art Appreciation
- ARTS 1201 Art History Survey I
- ARTS 1203 Art History Survey II
- ARTS 1222 Ceramics I
- ARTS 1224 Ceramics II
- ARTS 1225 Ceramics: Potters Wheel
- ARTS 1237 Elementary School Art
- BUSI 1607 Business Ethics<sup>^</sup>
- COMM 1210 Oral Interpretation
- COMM 1217 Nonverbal Comm
- COMM 1315 Intro to Film
- COMM 1700 Intro to Mass Media
- ENGL 1216 Creative Writing
- HIST 1400 American History to 1877
- HIST 1401 Amer Hist 1865-Pres
- HIST 1402 Amer Hist 1877-Pres
- HIST 1403 American History to 1865
- HIST 1406 History of Kansas
- HIST 1408 Western Civ to 1500
- HIST 1409 History and Philosophy of Western Culture to 1500

- HIST 1410 Western Civ 1500-Pres
- HIST 1411 History and Philosophy of Western Culture 1500 to Present
- HIST 1450 Hist World Civ to 1500<sup>^</sup>
- HIST 1452 Hist Wrld Civ 1500-Pres<sup>^</sup>
- JOUR 1700 Intro to Mass Media
- LANG 1908 Elementary Spanish I<sup>^</sup>
- LANG 1910 Elementary Spanish II<sup>^</sup>
- LANG 1914 Elementary French I<sup>^</sup>
- LANG 1916 Elementary French II<sup>^</sup>
- LITR 1210 Intro to Literature
- LITR 1212 The Short Story
- LITR 1216 American Literature I
- LITR 1228 Introduction to Drama
- LITR 1234 Shakespeare
- LITR 1215 World Literature
- MUSI 1002 Introduction to Music
- MUSI 1029 Music Elem Classroom
- PHIL 1602 Introduction to Philosophy
- PHIL 1604 Systematic Ethics<sup>^</sup>
- PHIL 1605 Reason & Argument
- RELI 1301 New Testm Lit: Gospels
- RELI 1303 New Testm Lit: Acts/Epis
- RELI 1305 Hebrew Bible/Old Testm
- RELI 1311 World Religions
- THEA 1300 Intro to the Theatre<sup>^</sup>
- THEA 1302 Acting I
- THEA 1315 Introduction to Film

### INSTITUTIONALLY DESIGNATED AREA BUCKET 7

- BSTC 1001 Intro Computer (L)
- BSTC 1036 Computer Conc/App (L)
- CHEM 1821 Fund of Biochemistry
- MATH 1834 Analytic Geom/Calc II
- MATH 1836 Analytic Geom/Calc III
- PHSC 1402 Introduction to Geology
- PRGM 1007 Found Computer Sci
- PHSC 1406 Intro to Meteorology
- PHSC 1408 Astronomy (3 hours)

## 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)

### MATHEMATICS AND NATURAL SCIENCES

*Required for all College of Engineering majors.*

- CHEM 1806 College Chem I (L)\*  
*(except APEN-PA concentration, CB, CE, CS)*
  - MATH 1832 Analytic Geom/Calc I  
*(except CB)*
  - MATH 1834 Analytic Geom/Calc II  
*(except CB)*
  - MATH 1836 Analytic Geom/Calc III  
*(only AE, EE, ME)*
  - PHYS 1604 Engineering Physics I (L)  
*(except CB)*
  - PHYS 1606 Engineering Phys II (L)\*  
*(except APEN-SE concentration, CB)*
- \*APEN-EM concentration - Choose one:  
*CHEM 1806 or PHYS 1606*

### OTHER COURSES BY MAJOR

#### Aerospace Engineering – AE

- ECO 1610 Princ Macroeconomics

#### Applied Engineering – APEN

- ACCT 1614 Accounting I  
and ACCT 1616 Accounting II  
*(EM only)*
- ECON 1610 Princ Macroeconomics
- LIFE 1413 Environmental Science^
- LIFE 1414 Environm Science (L)
- STAT 1829 Elements of Statistics

#### Biomedical Engineering – BME

- LIFE 1402 Princ of Biology (L)
- LIFE 1407 Anatomy & Physiology I  
and LIFE 1409 Anat & Phys II (L)
- CHEM 1808 College Chem II (L)
- CHEM 1821 Fund of Biochemistry

#### Computer Engineering – CE

Major courses at WSU

#### Computer Science – CS

- PHIL 1605 Reason & Argument

#### Cybersecurity – CB

- ECON 1610 Princ Macroeconomics
- MATH 1830 Trigonometry
- NTWK 1054 Comp Forensics/Invest
- NTWK 1073 Intro to Cyber Security

- PHIL 1605 Reason & Argument
- PHYS 1600 Physics I (L)
- PSY 1000 General Psychology
- PSYC 1016 Social Psychology
- STAT 1829 Elements of Statistics

#### Electrical Engineering – EE

Major courses at WSU

#### Industrial Engineering – IE

Major courses at WSU

#### Mechanical Engineering – ME

Major courses at WSU

#### Product Design & Manufacturing Engineering – PDME

Major courses at WSU

## 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 1610 Princ Macroeconomics
- PHYS 1604 Engr Physics I (L)

#### Applied Engineering – APEN

- ECO 1610 Princ Macroeconomics
- PHYS 1604 Engr Physics I (L)

#### Biomedical Engineering – BME

- CHEM 1806 College Chemistry I (L)

#### Computer Engineering – CE

- PHYS 1606 Engr Physics II (L)

#### Computer Science – CS

- PHYS 1606 Engr Physics II (L)

#### Cybersecurity – CB

- ECO 1610 Princ Macroeconomics
- PHYS 1600 Physics I (L)
- PSY 1000 General Psychology

#### Electrical Engineering – EE

- CHEM 1806 College Chemistry I (L)

#### Industrial Engineering – IE

- CHEM 1806 College Chemistry I (L)

#### Mechanical Engineering – ME

- CHEM 1806 College Chemistry I (L)

#### Product Design & Manufacturing Engineering – PDME

- PHYS 1604 Engr Physics I (L)