

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/>

HUTCHINSON 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 "A" 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: EN 100 or EN 101 or EN 101H and EN 102 or EN 102H.
- ❖ 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.

Hutchinson 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

- EN 100 English Composition IB
or EN 101 English Composition IA
or EN 101H Honors English Comp IA

- EN102 English Composition II
or EN 102H Hrs English Comp II

COMMUNICATIONS DISCIPLINE AREA BUCKET 2

- SH 101 Public Speaking
or SH 101H Hrs Public Speaking
- SH 210 Interpersonal Comm
or SH 210H Hrs Interpers Comm

MATHEMATICS & STATISTICS DISCIPLINE AREA BUCKET 3

- MA 106 College Algebra
- MA 107 Plane Trigonometry
- MA 108 Elements of Statistics
- MA 108H Hrs Elements of Stats
- MA 110 Calculus
- MA 111 Analytical Geom/Calculus I
- MA 111H Hrs Anlytcl Geom/Calc I
- MA 112H/MA 112L Hrs Analytical Geometry/Calculus I
- MA 117 Contemporary Math
- MA 146 College Algebra w/Rev
- MA 147 Contemporary Math w/Rev
- MA 148 Elements of Statistics w/Rev

NATURAL & PHYSICAL SCIENCES DISCIPLINE AREA BUCKET 4

- BI 101/BI 101L General Biology (L)
- BI 101H/BI 101L Hrs Gen Bio (L)
- BI 103/BI 103L Hum Anat/Phys (L)
- BI 104/BI 104L Biology I (L)
- BI 105/BI 105L Biology II (L)
- BI 105H/BI 105L Hrs Biology II (L)
- BI 107 Human Anatomy/Phys I (L)
- BI 112/BI 112L Gen Microbio (L)
- CH 101/CH 101L Gen Chemistry (L)
- CH 105/CH 105L Chemistry I (L)
- CH 105H/CH 105L Hrs Chem I (L)
- CH 106/CH106L Chemistry II (L)
- CH 106H/CH 106L Hrs Chem II (L)
- CH 108/CH 108L Principles of Organic & Biochemistry (L)
- CH 201/CH 201L Org Chem I (L)
- CH 201H/CH 201L Hrs Org Ch (L)
- PY 103/PY 104L Physical Geol (L)
- PY 103H/PY 104L Hnr Phys Geol (L)
- PY 110/PY 110L Physical Science (L)
- PY 110H/PY 110L Hrs Phys Sci (L)

- PY 112/PY 112L Gen Physics I (L)
- PY 112H/PY 112L Hrs Gen Phys I (L)
- PY 113/PY 113L Gen Physics II (L)
- PY113H/PY113L Hrs Gen Phys II (L)
- PY 201/PY 201L Engr Phys I (L)
or PY201H/201L Hrs Eng Phy (L)
- PY 202/PY 202L Engr Phys II (L)

SOCIAL & BEHAVIORAL SCIENCES DISCIPLINE AREA BUCKET 5

- CC 105 Infant & Toddler Dev
- EC 100 Macroeconomics
- EC 100H Hrs Macroeconomics
- EC 101 Microeconomics
- EC 101H Hrs Microeconomics
- GE 101 World Geography[^]
- GO 100 American Government
- GO 101 State & Local Government
- GO 102 International Relations[^]
- GO 132 Comparative Politics[^]
- GO 201 Intro to Social/Political Thought
- LE 101 Intro to Criminal Justice
- LE 205 Criminal Law
- PS 100 General Psychology
- PS 100H Hrs General Psychology
- PS 102 Human Growth & Dev
- PS 102H Hrs Human Growth/Dev
- PS 201 Psychology of Personality
- SO 100 Fundamentals of Sociology
- SO 100H Hrs Fund of Sociology
- SO 101 Marriage & Family
- SO 101H Hrs Marriage & Family
- SO 106 Intro to Women's Studies[^]
- SO 111 Cultural Anthropology[^]
- SO 111H Hrs Cultural Anthropol[^]
- SO 113 Cultural Diversity[^]
- SO 122 Introduction to Social Work
- SO 201 Social Problems

ARTS & HUMANITIES DISCIPLINE AREA BUCKET 6

- AR 101 Art Appreciation
- AR 101H Hrs Art Appreciation
- AR 104 Art Hist: Paleo to Medieval
- AR 105 Art History: Renais to Mdrn
- AR 106 Art in the Elem Classroom
- AR 117 Ceramics II
- EN 121 World Mythology
- EN 122 Science Fiction Literature

- EN 128 Intro to Creative Writing
- EN 128H Hrs Intr to Crtv Wrtnng
- EN 201 Introduction to Literature
- EN 202 British Literature I
- EN 202H Hrs British Lit I
- EN 203 British Literature II
- EN 203H Hrs British Lit II
- EN 204 American Literature I
- EN 204H Hrs Amer Literature I
- EN 205 American Literature II
- EN 205H Hrs American Lit II
- EN 206 Contemporary Literature
- EN 207 Intro to Shakespeare
- EN 208 American Short Story
- EN 211 Introduction to Fiction
- EN 214 Intro to Cultural Studies: Fairy Tales
- EN 214H Hrs Intro to Cultural Studies: Fairy Tales
- EN 216 Vampires in Literature/Film
- FR 101 Elementary French I[^]
- FR 102 Elementary French II[^]
- HI 101 American Hist 1492-1865
- HI 101H Hrs Amer Hist 1492-1865
- HI 102 American Hist 1865-Present
- HI 102H Hrs Amer Hist 1865-Pres
- HI 103 World History to 1600[^]
- HI 104 World History Since 1600[^]
- HI 112 Western Civilization to 1500
- HI 113 Western Civ 1500-Present
- JL 101 Intro to Mass Comm
- JL 101H Hrs Intro to Mass Comm
- IS 137 Website Ethics and Security[^]
- MU 101 Music Appreciation
- MU 101H Hrs Music Appreciation
- MU 127 Intro to Jazz/Jazz Rock[^]
- MU 201 Music in the Elem Classroom
- PL 101 Introduction to Philosophy
- PL 101H Hrs Intro to Philosophy
- PL 103 Logic and Critical Thinking
- PL 104 Ethics[^]
- PL 104H Hrs Ethics[^]
- PL 105 Death & Dying
- RE 101 New Testament Literature
- RE 102 Old Testament Literature
- RE 106 Intro to World Religions
- SH 103 Oral Interpretation
- SP 101 Elementary Spanish I[^]
- SP 102 Elementary Spanish II[^]
- SP 105 Elementary Spanish III[^]
- SP 105H Hrs Elem Spanish III[^]
- TH 115 Theatre Appreciation[^]

- TH 115H Hnr Theatre Appreciation[^]
- TH 116 Acting I

INSTITUTIONALLY DESIGNATED AREA BUCKET 7

- BI 102 Ecology of Environm Prob[^]
- IS 104 Microcomputer App (L)
- MA 113 Analytical Geom/Calc II
- MA 114H/MA 114L Hnrs Analytical Geometry/Calculus II
- MA 201 Analytical Geom/Calc III
- MA 202H/MA 202L Hnrs Analytical Geometry/Calculus III
- PY 101 Descriptive Astronomy
- PY 102 Weather & Climate
- PY 102H Hnrs Weather & Climate

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 105/CH105L Chemistry I (L) (except APEN-PA concentration, CB, CE, CS)*
or CH 105H/CH 105L Hrs Chem I (L)
- MA 111 Analytical Geom/Calculus I
or MA 111H Hrs Anlytcl Geom/Calc I
or MA 112H/MA 112L Hnrs Analytical Geometry/Calculus I (except CB)

- MA 113 Analytical Geom & Calc II
or MA 114H/MA 114L Hnrs Analytical Geometry/Calculus II (except CB)
 - MA 201 Analytical Geom/Calc III
or MA 202H/MA 202L Hnrs Analytical Geometry/Calculus III (only AE, EE, ME)
 - MA 206 Differential Equations
or MA 206H Hnrs Diff. Eq (except APEN, CB, CS, IE)
 - PY 201/PY 201L Engr Physics I (L)
or PY201H/201L Hnrs Eng Phy (L) (except CB)
 - PY 202/202L Engr Phys II (L)* (except APEN-SE concentration, CB)
- *APEN-EM concentration – Choose one: CH 105/CH 105L or CH 105H/CH 105L or PY 202/202L

OTHER COURSES BY MAJOR

Aerospace Engineering – AE

- DR 101 Technical Drafting and DR 102 Machine Drafting
or MA 130 Engineering Graphics I
- EC 100 Macroeconomics
- PY 205 Engr Mechanics-Statics
or PY 205H Hnrs Engr Mechanics-Statics

Applied Engineering – APEN

- BI 102 Ecology of Environm Prob[^]
- BU 101 Accounting I
and BU 102 Accounting II (EM only)
- DR 101 Technical Drafting and DR 102 Machine Drafting
or MA 130 Engineering Graphics I
- EC 100 Macroeconomics
- MC 114 Machine Tool Processes and MC 201 Machining Fund III
- PY 205 Engr Mechanics-Statics
or PY 205H Hnrs Engr Mechanics-Statics

Biomedical Engineering – BME

- BI 103/BI 103L Human Anatomy & Physiology (L)
- BI 104/BI 104L Biology I (L)
- CH 106/CH 106L Chemistry II (L)
or CH 106H/CH 106 Hrs Chem II (L)
- CH 108/CH 108L Principles of Organic & Biochemistry (L)

- PY 205 Engr Mechanics/Statics
or PY 205H Hnrs Engr Mechanics-Statics

Computer Engineering – CE

- CS 106 Computer Engineering
- CS 200 Problem Solving & Progr
- CS 203 Discrete Structures I
- CS 206 Data Structures & Algorithms
- IS 137 Website Ethics & Security[^]
- IS 224 Networking II

Computer Science – CS

- CS 106 Computer Engineering
- CS 200 Problem Solving & Progr
- CS 203 Discrete Structures I
- CS 206 Data Structures & Algorithms
- IS 137 Website Ethics and Security[^]
- IS 224 Networking II
- PL 103 Logic and Critical Thinking

Cybersecurity – CB

- EC 100 Macroeconomics
- IS 137 Website Ethics & Security[^]
- IS 148 CompTIA A+ Core I
- MA 107 Plane Trigonometry
- PS 100 General Psychology
- PY 112 General Physics I (L)
or PY 112H Hnrs Gen Phys (L)
- PL 103 Logic and Critical Thinking

Electrical Engineering – EE

- CS 106 Computer Engineering
- CS 200 Problem Solving & Progr

Industrial Engineering – IE

- DR 101 Technical Drafting and DR 102 Machine Drafting
or MA 130 Engineering Graphics I
- CS 200 Problem Solving & Progr
- MC 114 Machine Tool Processes and MC 201 Machining Fund III

Mechanical Engineering – ME

- DR 101 Technical Drafting and DR 102 Machine Drafting
or MA 130 Engineering Graphics I
- PY 205 Engr Mechanics-Statics
or PY 205H Hnrs Engr Mechanics-Statics

Product Design & Manufacturing Engineering – PDME

- DR 101 Technical Drafting
and DR 102 Machine Drafting
or MA 130 Engineering Graphics I
- MC 114 Machine Tool Processes
and MC 201 Machining Fund III
- PY 205 Eng Mechanics-Statics
or PY 205H Hnrs Engr Mechanics-Statics

Cybersecurity – CB

- EC 100 Macroeconomics
- IS 137 Website Ethics & Security^
- PS 100 General Psychology
- PY 112 General Physics I (L)
or PY 112H Hnrs Gen Phys (L)

Electrical Engineering – EE

- CH 105/CH 105L Chemistry I (L)
or CH 105H/CH 105L Hnr Chem I (L)

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.

Industrial Engineering – IE

- CH 105/CH 105L Chemistry I (L)
or CH 105H/CH 105L Hnr Chem I (L)

Mechanical Engineering – ME

- CH 105/CH 105L Chemistry I (L)
or CH 105H/CH 105L Hnr Chem I (L)

Product Design & Manufacturing Engineering – PDME

- PY 201/PY 201L Engr Phys I (L)
or PY201H/201L Hrs Eng Phy (L)

Aerospace Engineering – AE

- EC 100 Macroeconomics
- PY 201/PY 201L Engr Phys I (L)
or PY201H/201L Hrs Eng Phy (L)

Applied Engineering – APEN

- EC 100 Macroeconomics
- PY 201/PY 201L Engr Phys I (L)
or PY201H/201L Hrs Eng Phy (L)

Biomedical Engineering – BME

- CH 105/CH 105L Chemistry I (L)
or CH 105H/CH 105L Hnr Chem I (L)

Computer Engineering – CE

- IS 137 Website Ethics & Security^
- PY 202/PY 202L Engr Phys II (L)

Computer Science – CS

- IS 137 Website Ethics & Security^
- PY 202/PY 202L Engr Phys II (L)