### Engineering Majors

**RECOMMENDED TRANSFER COURSES**

**ENGINEERING MAJORS**

**NOTE:** Computer Science majors may take HUMN 218 Logic & Critical Thinking (minimum grade of C or better) to satisfy humanities requirement.
- ENGL 190 Intro to Literature
- ENGL 200 Native American Literature
- ENGL 203 Major English Writers
- ENGL 204 American Literature
- ENGL 209 Poetry & Drama
- ENGL 210 Fiction & Prose
- ENGL 212 Seminar in Shakespeare
- FLNG 201 French III
- FLNG 203 Spanish III
- FLNG 204 Spanish IV
- HIST 102 Early US History
- HIST 103 Recent US History
- HIST 110 Early European History
- HIST 111 Modern European Hist
- HIST 225 Western Civilization I
- HIST 230 Western Civ I Honors
- HIST 235 Western Civilization II
- HIST 245 Western Civ II Honors
- HUMN 104 Intro to Philosophy
- HUMN 130 History & Development of Motion Pictures
- HUMN 151 Comparative Human
- HUMN 153 Comparative Humann Honors
- HUMN 180 Intro to Ethics
- HUMN 208 World Religions
- HUMN 218 Logic & Critical Thinking
- HUMN 253 Comparative Human II Honors

**One more Introductory course for 3 credit hours in either Humanities or Social & Behavioral Science.**

**One Advance Further Study Course for 3 credit hour in either Humanities or Social & Behavioral Science (may not take further study in Philosophy or Fine Arts).** For a list of courses please visit [www.wichita.edu/engineering/](http://www.wichita.edu/engineering/) or contact the College of Engineering Dual Advisor.

**NATURAL SCIENCE ELECTIVES** (One course required for Aerospace and Mechanical Engineering majors ONLY):
- BIOL 201 General Zoology (LAB)
- BIOL 206 Biology I: Cell & Molecular Biology (LAB)
- BIOL 203 Anatomy & Phys (LAB)
- BIOL 208 Biology II: Organismic Biology (LAB)
- CHEM 104 Principles of Chemistry II & Qualitative Analysis (LAB)
- CHEM 201 Organic Chemistry (LAB)
- CHEM 202 Quantitative Analysis (LAB)
- PHYS 111 Intro to Astronomy
- PHYS 120 Physical Geology (LAB)
- PHYS 121 Historical Geology (LAB)

**ENGINEERING DEGREE PROGRAMS:**
Aerospace Engineering (AE), Biomedical Engineering (BIOME), Computer Engineering (CE), Computer Science (CS), Electrical Engineering (EE), Industrial Engineering (IE), Manufacturing Engineering (IME), Mechanical Engineering (ME) and Engineering Technology (ET).

**REQUIRED CORE COURSES FOR ALL ENGINEERING MAJORS:**
- CHEM 103 Principles of Chemistry I (LAB)
- MATH 115 Calculus w/Analytic Geometry I
- MATH 120 Calculus w/Analytic Geometry II
• MATH 201 Calculus w/Analytic Geometry III (except BIOME, CE, CS and ET)
• ENGR 210 Engineering Physics I (LAB) (except ET)
• ENGR 211 Engineering Physics II (LAB) (except ET)

OTHER REQUIRED COURSES BY MAJORS:

Biomedical Engineering (BIOME):
• BIOL 203 Anatomy & Phys (LAB)
• BIOL 206 Biology I: Cell & Molecular Biology (LAB)
• CHEM 104 Principles of Chemistry II & Qualitative Analysis (LAB)

Engineering Technology Management, Renewable Energy and Mechatronics Technology:
• BUSN 171 Financial Accounting (Engineering Technology Management ONLY)
• BUSN 202 Marketing (Engineering Technology Management ONLY)
• BUSN 220 Business Communication
• MATH 105 College Algebra
• MATH 106 Trigonometry
• PHYS 203 College Physics I (LAB)

To graduate from an engineering program, a candidate must attain 2.0 grade point average (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.

Most engineering courses have prerequisites and/or co-requisites; the prerequisite course must have been completed before a course can be taken, and the co-requisite must have been taken prior to or to be taken concurrently with the required course sequence.

For information on courses needed to complete an Associate Degree, please contact your Community College Advisor.

For more information, go to: www.wichita.edu/engineering
or
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Or at
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