NEOSHO COUNTY COMMUNITY COLLEGE 2016-2017 TRANSFER GUIDE

GENERAL EDUCATION REQUIREMENTS
The following list the minimum general education courses needed at Neosho County Community College (NCCC) to transfer to the College of Engineering. The WSU General Education program requires 42-45 hours. By completing the recommended courses outlined in this Transfer Guide NCCC students will have only engineering courses (plus any unmet General Education Issues and Perspective and the Engineer of 2020 options) required for all engineering majors to meet degree requirements. Specific engineering courses for each major will be provided during student advising.

FOUNDATIONAL/ BASIC SKILLS COURSES: (9 credit hours MUST be completed with a grade of C- or better within the first 48 hours of coursework)
- ENGL 101 English Comp I
- ENGL 102 English Comp II-Honors
- ENGL 289 English Comp II
- COMM 207 Fundamentals of Speech

COMPLETE INTRODUCTORY COURSES IN THE FOLLOWING DISCIPLINES:

Fine Arts: Choose one course from the following disciplines for 3 credit hours:
- ART 102 Art Appreciation
- ART 178 Intro to the Visual Arts
- ART 288 Art History I: Prehistoric to Medieval
- ART 289 Art History II: Renaissance to Contemporary
- MUSI 120 Music Appreciation
- COMM 105 Theatre Appreciation

Humanities: Choose one course from the following disciplines for 3 credit hours:

NOTE: Computer Science majors will take HUM 102 Intro to Logic & Critical Thinking (minimum grade of C or better) to satisfy humanities requirement.
- ENGL 113 General Literature
- ENGL 221 Intro to Western Literature
- ENGL 230 American Literature II
- HIST 101 World Civilization I
- HIST 102 World Civilization II
- HIST 201 U S History I
- HIST 202 U S History II
- HUM 102 Intro to Logic & Critical Thinking
- HUM 103 Intro to Philosophy
- HUM 104 Ethics
- HUM 110 Humanities I
- HUM 133 World Religions
- HUM 204 Western Civilization I
- HUM 205 Western Civilization II

Social & Behavioral Sciences: Choose one course from the following disciplines for 3 credit hours:
- CRIM 121 Intro to Criminal Justices
- ECON 201 Macroeconomics
- HIST 207 World Geography
- PSYC 155 General Psychology
- SOSC 100 Intro to Sociology
- SOSC 101 American Government
- SOSC 200 Intro to Cultural Anthropology
- SOSC 230 International Relations

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/ or contact the College of Engineering Dual Advisor.

NATURAL SCIENCE ELECTIVES (One course required for Aerospace and Mechanical Engineering majors ONLY):
- BIOL 115 Environmental Life Science
- BIOL 116 Environmental Life Science Lab (LAB)

Engineering Majors

- BIOL 251 Biology I AND BIOL 252 Biology I Lab (LAB)
- BIOL 255 Biology II AND BIOL 256 Biology II Lab (LAB)
- BIOL 257 Human Anatomy & Physiology AND BIOL 258 Human Anatomy & Physiology Lab (LAB)
- CHEM 225 College Chem II AND CHEM 226 College Chem II Lab (LAB)
- PHYS 102 Fundamentals of Astronomy AND PHYS 103 Fundamentals of Astronomy Lab (LAB)

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

REQUIRED CORE COURSES FOR ALL ENGINEERING MAJORS:
- CHEM 215 College Chem I AND CHEM 216 College Chem I Lab (LAB)
- MATH 150 Analytic Geometry & Calculus I
- MATH 155 Analytic Geometry & Calculus II
- MATH 253 Analytic Geometry & Calculus III (except BIOME, CE, CS and ET)
- PHYS 104 Engr Physics I AND PHYS 140 Engr Physics I Lab (LAB) (except ET)
- PHYS 105 Engr Physics II AND PHYS 145 Engr Physics II Lab (LAB) (except ET)

OTHER REQUIRED COURSES BY MAJORS:
- Biomedical Engineering (BIOME):
  - BIOL 251 Biology I AND BIOL 252 Biology I Lab (LAB)
  - BIOL 257 Human Anatomy & Physiology AND BIOL 258 Human Anatomy & Physiology Lab (LAB)
• CHEM 225 College Chem II AND CHEM 226 College Chem II Lab (LAB)

Engineering Technology Management, Renewable Energy and Mechatronics Technology:
• ACCT 201 Financial Accounting (Engineering Technology Management ONLY)
• ENGL 265 Technical Writing
• MGMK 251 Marketing (Engineering Technology Management ONLY)
• MATH 113 College Algebra
• MATH 122 Plane Trigonometry
• PHYS 100 Introductory College Physics I AND PHYS 130 Intro College Physics I Lab (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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