INDEPENDENCE COMMUNITY COLLEGE
2016-2017 TRANSFER GUIDE

GENERAL EDUCATION REQUIREMENTS
The following list the minimum general education courses needed at Independence Community College (ICC) 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 ICC 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)
- ENG 1003 English Composition I or ENG 1005 English Composition I
- ENG 1013 English Composition II
- COM 1203 Public Speaking

COMPLETE INTRODUCTORY COURSES IN THE FOLLOWING DISCIPLINES:

Fine Arts: Choose one course from the following disciplines for 3 credit hours:
- AED 1043 Art Appreciation
- MUE 1223 History of the Broadway Musical
- MUE 1303 Music Appreciation
- THR 1013 Theatre Appreciation

Humanities: Choose one course from the following disciplines for 3 credit hours:
- BEH 1003 General Psychology
- BUS 2033 Macroeconomics
- POL 1013 Intro to Political Science
- POL 1023 American Government
- SOC 1003 Intro to Sociology
- SOC 1023 Anthropology
- SOC 1113 Intro to Criminal Justice
- SOC 1213 Intro to Social Work
- SOC 2013 World Regional Geography

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

One Advance Further Study Course for 3 credit hours 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):
- BIO 1115 Biology I: Principles of Organismal Biology (LAB)
- PHS 1035 College Chemistry II (LAB)
- PHS 1085 Descriptive Astronomy (LAB)
- PHS 2035 Organic Chemistry I (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:
- DDT 2043 Computer Aided Drafting 2D AND DDT 2053 Computer Aided Drafting 3D (except BIOME, CE, CS and EE)
- MAT 1055 Analytic Geometry & Calculus I
- MAT 2025 Analytical Geometry & Calculus II
- PHS 1025 College Chemistry I (LAB)
- PHS 2055 Engineering Physics I (LAB)- (except ET)
- PHS 2065 Engineering Physics II (LAB)- (except ET)

OTHER REQUIRED COURSES BY MAJORS:

Biomedical Engineering (BIOME):
- BIO 1115 Biology I: Principles of Cellular & Molecular Biology (LAB)
- BIO 2045 Anatomy & Physiology (LAB)
- PHS 1035 College Chemistry II (LAB)
Engineering Technology Management, Renewable Energy and Mechatronics Technology:

- ACC 1003 Accounting I AND ACC 1023 Accounting II OR ACC 1043 Financial Accounting (Engineering Technology Management ONLY)
- ENG 2053 Technical Writing
- DDT 2043 Computer Aided Drafting 2D AND DDT 2053 Computer Aided Drafting 3D
- MAT 1025 College Algebra
- MAT 1093 Plane Trigonometry
- PHS 1055 General 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
Contact: Norman Bent
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Or at
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