HIGHLAND COMMUNITY COLLEGE 2016-2017
TRANSFER GUIDE
GENERAL EDUCATION REQUIREMENTS
The following list the minimum general education courses needed at Highland Community College (HCC) 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 HCC 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 101 College English I
• ENG 102 College English II
• SP 101 Oral Communications or SP 106 Public Speaking

COMPLETE INTRODUCTORY COURSES IN THE FOLLOWING DISCIPLINES:
Fine Arts: Choose one course from the following disciplines for 3 credit hours:
• A 101 Art Appreciation
• A 201 Art History I
• A 202 Art History II
• M 103 Music History & Appreciation
• M 162 Intro to World Music
• TH 105 Intro to Dramatics
• TH 108 History & Appreciation of Theatre Art

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

NOTE: Computer Science majors will take PHIL 125 Introduction to Logic at WSU (minimum grade of C or better) to satisfy humanities requirement.

ENGINEERING MAJORS

• ENG 205 Old Testament Literature
• HIS 101 US History I
• HIS 102 US History II
• HIS 103 Hist of Western Civ I
• HIS 104 Hist of Western Civ II
• HIS 204 Readings in Western Civ I
• HIS 205 Readings in Western Civ II
• LG 201 Spanish III
• PHI 101 Intro to Philosophy
• PHI 102 Intro to Ethics
• PHI 105 Religions of the World

Social & Behavioral Sciences: Choose one course from the following disciplines for 3 credit hours:
• ANT 100 Intro to Archaeology
• ANT 112 General Anthropology
• BUS 203 Macroeconomics
• CJ 100 Intro to Criminal Justice
• GEO 212 World Regional Geography
• POL 100 US Government
• POL 101 Intro to Political Science
• PSY 101 General Psychology
• SOC 101 General Sociology
• SOC 104 Intro to Social Work

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):
• BS 101 College Biology (LAB)
• BS 104 Human Anatomy AND BS 105 Human Physiology (LAB)
• BS 107 Intro to Environmental Science (LAB)
• BS 201 General Zoology AND BS 202 General Botany (LAB)
• PS 104 Physical Geology (LAB)
• PS 108 Astronomy (LAB)
• PS 210 Organic Chemistry I (LAB)
• PS 112 College Chemistry II (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:
• CAD 101 Technical Drawing I AND CAD 151 Technical Drawing II AND CAD 201 Technical Drawing III AND CAD 251 Technical Drawing IV (except BIOME, CE, CS and EE)
• PS 111 College Chemistry I (LAB)
• MAT 106 Calculus
• MAT 110 Calculus II
• MAT 201 Calculus III (except BIOME, CE, CS and ET)
• PS 215 College Physics I (LAB)- (except ET)
• PS 216 College Physics II (LAB)- (except ET)

OTHER REQUIRED COURSES BY MAJORS:

Biomedical Engineering (BIOME):
• BS 104 Human Anatomy AND BS 105 Human Physiology (LAB)
• BS 201 General Zoology AND BS 202 General Botany (LAB)
• PS 112 College Chemistry II (LAB)

Engineering Technology Management, Renewable Energy and Mechatronics Technology:
• BUS 103 Accounting I AND BUS 105 Accounting II OR BUS 200 Financial Accounting (Engineering Technology Management ONLY)
• BUS 210 Marketing (Engineering Technology Management ONLY)
• CAD 101 Technical Drawing I AND CAD 151 Technical Drawing II AND CAD 201 Technical Drawing III AND CAD 251 Technical Drawing IV
• MAT 104 College Algebra
• MAT 105 Trigonometry
• PS 203 General 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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