FORT SCOTT COMMUNITY COLLEGE 2016-2017
TRANSFER GUIDE
GENERAL EDUCATION REQUIREMENTS
The following list the minimum general education courses needed at Fort Scott Community College (FSCC) 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 FSCC 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 1013 English 101
- ENG 1015 English 101 w/ Review
- ENG 1023 English 102
- SPE 1093 Public Speaking

COMPLETE Introductory Courses in the Following Disciplines:

Fine Arts: Choose one course from the following disciplines for 3 credit hours:
- ART 1053 Art Appreciation
- MUS 1213 Music Appreciation
- DRA 1313 Theater Appreciation

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 2293 General Literature
- EDU 2403 British Literature
- HIS 1013 US History 101
- HIS 1023 US History 102
- HIS 2013 History of Civilization I
- HIS 2023 History of Civilization II
- PHI 1113 Philosophy of Life
- REL 1093 The Religions of Mankind
- SOC 2253 Intro to Women in Society

Social & Behavioral Sciences: Choose one course from the following disciplines for 3 credit hours:
- CRJ 1013 Intro to Criminal Justice
- ECO 2023 Macroeconomics
- GEO 1023 World Regional Geography
- POL 1013 American Government
- POL 1213 Current World Affairs
- PSY 1013 General Psychology
- SOC 1013 Sociology
- SOC 1113 Cultural Anthropology

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):
- BIO 1225 Prin of Biology I (LAB)
- BIO 1235 Prin of Biology II (LAB)
- BIO 1255 Anatomy & Phys (LAB)
- CHE 1025 General Chem 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 (IME), Mechanical Engineering (ME) and Engineering Technology (ET).

REQUIRED CORE COURSES FOR ALL ENGINEERING MAJORS:
- CHE 1015 General Chem I (LAB)
- MAT 1015 Calculus w/Analytic Geometry I
- MAT 1025 Calculus w/Analytic Geometry II
- MAT 2035 Calculus III (except BIOME, CE, CS and ET)
- PHS 2015 College Physics I w/ Calculus (LAB) (except ET)
- PHS 2025 College Physics II w/ Calculus (LAB) (except ET)

OTHER REQUIRED COURSES BY MAJORS:

Biomedical Engineering (BIOME):
- BIO 1225 Prin of Biology I (LAB)
- BIO 1255 Anatomy & Phys (LAB)
- CHE 1025 General Chem II (LAB)

Computer Engineering (CE):
- COM 2403 C++ Programming Language

Computer Science (CS):
- COM 2403 C++ Programming Language

Electrical Engineering (EE):
- COM 2403 C++ Programming Language

Industrial Engineering (IE):
- COM 2403 C++ Programming Language
**Engineering Technology Management, Renewable Energy and Mechatronics Technology:**

- BUS 1293 Introduction to Marketing *(Engineering Technology Management ONLY)*
- BUS 2013 Financial Accounting *(Engineering Technology Management ONLY)*
- COM 2403 C++ Programming Language
- MAT 1083 College Algebra
- MAT 1093 Trigonometry
- PHS 2065 College Physics I Non-Calculus (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.

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**For more information, go to:**
www.wichita.edu/engineering

or

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