WICHITA AREA TECHNICAL COLLEGE 2016-2017 TRANSFER GUIDE

GENERAL EDUCATION REQUIREMENTS
The following list the minimum general education courses needed at Wichita Area Technical College (WATC) 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 WATC 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 Composition I
- ENG 120 Composition II
- SPH 101 Public Speaking

COMPLETE INTRODUCTORY COURSES IN THE FOLLOWING DISCIPLINES:

Fine Arts: Choose one course from the following disciplines for 3 credit hours:
- ART 100 Art Appreciation
- THR 100 Theatre Appreciation

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

NOTE: Computer Science majors will take PHIL 115 Logic (minimum grade of C or better) to satisfy humanities requirement.
- ENG 110 Intro to Literature
- HIS 110 U S History to 1877
- HIS 120 U S History since 1865
- HIS 130 World History I
- PHL 110 Ethics
- PHL 115 Logic
- REL 101 New Testament

Social & Behavioral Sciences: Choose one course from the following disciplines for 3 credit hours:
- CRJ 101 Introduction to Criminal Justice
- ECO 105 Principles of Macroeconomics
- POL 101 American Government
- PSY 101 General Psychology
- SOC 101 Principles of Sociology

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 120 Environmental Biology
- BIO 150 Human Anatomy & Physiology (LAB)
- CHM 135 Chemistry II (LAB)
- PHS 115 Intro Astronomy (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:
- CHM 125 Chemistry I (LAB)
- MTH 125 Calculus I
- MTH 150 Calculus II
- MCD 101 Introduction to CAD I
- MCD 102 Introduction to CAD II
- MCD 105 Technical Drafting (except BIOME, CE, CS and EE)

OTHER REQUIRED COURSES BY MAJORS:

Aerospace Engineering (AE):
- MCD 101 Introduction to CAD I
- MCD 102 Introduction to CAD II
- MCD 105 Technical Drafting

Biomedical Engineering (BIOME):
- BIO 150 Human Anatomy & Physiology (LAB)
- CHM 135 Chemistry II (LAB)

Industrial Engineering (IE):
- MCD 101 Introduction to CAD I
- MCD 102 Introduction to CAD II
- MCD 105 Technical Drafting

Manufacturing Engineering (IME):
- MCD 101 Introduction to CAD I
- MCD 102 Introduction to CAD II
- MCD 105 Technical Drafting

Mechanical Engineering (ME):
- ACC 160 Principles of Accounting I
- ACC 170 Principles of Accounting II (Engineering Technology Management ONLY)
- BUS 140 Principles of Marketing (Engineering Technology Management ONLY)
- MCD 101 Introduction to CAD I
- MCD 102 Introduction to CAD II
- MCD 105 Technical Drafting
- MTH 112 College Algebra
- MTH 113 Trigonometry
- PHS 120 Gen 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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