ALLEN COMMUNITY COLLEGE 2017-2018 TRANSFER GUIDE

GENERAL EDUCATION REQUIREMENTS
The following list the minimum general education courses needed at Allen Community College (ACC) 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 ACC 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)
- COL 101 English Comp I
- COL 102 English Comp II
- COM 101 Public Speaking

COMPLETE INTRODUCTORY COURSES IN THE FOLLOWING DISCIPLINES:

Fine Arts: Choose one course from the following disciplines for 3 credit hours:
- ART 101 Art Appreciation
- MUS 111 Music Appreciation
- THE 101 Theatre Appreciation

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

- COL 101 English Comp I
- COL 102 English Comp II
- COM 101 Public Speaking

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 150 Biology I (Cellular) (LAB)
- BIO 210 Biology II (Organismal) (LAB)
- BIO 257 Human Anatomy & Physiology (LAB)
- BIO 260 Human Anat & Phys I AND BIO 265 Human Anat & Phys II (LAB)
- CHE 136 College Chemistry II (LAB)
- CHE 265 Organic Chemistry I (LAB)

ENGINEERING MAJORS

- HIS 122 World History 1500 to Present
- HUM 105 Ethics
- HUM 111 Humanities for Life
- HUM 125 Philosophy
- HUM 130 New Testament
- HUM 131 Old Testament
- HUM 135 World Religions

Social & Behavioral Sciences: Choose one course from the following disciplines for 3 credit hours:
- ANT 111 Cultural Anthropology
- CJS 100 Intro to Criminal Justice
- COM 201 Mass Comm in Society
- ECO 208 Macroeconomics
- GEO 104 Principles of Geography
- HIST 111 American Government
- HIST 225 Intro to Political Science
- HIST 250 Intro to International Relations
- PSY 101 General Psychology
- SOC 102 Sociology
- SOC 140 Intro to Social Work

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:
- MAT 123 Calculus w/Analytic Geometry I
- MAT 125 Calculus w/Analytic Geometry II
- MAT 225 Calculus w/Analytic Geometry III (except BIOME, CE, CS and ET)
- PSC 204 Engineering Physics I (LAB) (except ET)
- PSC 205 Engineering Physics II (LAB) (except ET)

OTHER REQUIRED COURSES BY MAJORS:

Biomedical Engineering (BIOME):
- CHE 125 College Chem I (LAB)
- BIO 257 Human Anatomy & Physiology (LAB)
- CHE 136 College Chemistry II (LAB)

Computer Engineering (CE):
- CIS 230 C++ Programming I

Computer Science (CS):
- CIS 230 C++ Programming I

Electrical Engineering (EE):
- CIS 230 C++ Programming I

Industrial Engineering (IE):
- CIS 230 C++ Programming I
Engineering Technology (ET) includes the following concentrations (Engineering Technology Management, Civil Engineering Technology, Cybersecurity and Mechatronics Technology):

- BUS 210 Financial Accounting (Engineering Technology Management ONLY)
- BUS 278 Marketing (Engineering Technology Management ONLY)
- CIS 230 C++ Programming I
- MAT105 College Algebra
- MAT 106 Plane Trigonometry

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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