SEWARD COUNTY COMMUNITY COLLEGE 2016-2017 TRANSFER GUIDE

GENERAL EDUCATION REQUIREMENTS

The following list the minimum general education courses needed at Seward County Community College (SCCC) 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 SCCC 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)

- EG 1103 English Composition I
- EG 1113 English Composition II
- SP 1203 Public Speaking

COMPLETE INTRODUCTORY COURSES IN THE FOLLOWING DISCIPLINES:

Fine Arts: Choose one course from the following disciplines for 3 credit hours:
- AR 1323 Art Appreciation
- AR 1703 Survey of Art History I
- AR 1713 Survey of Art History II
- MU 1203 Music Appreciation
- MU 2002 Music Literature I
- DR 2203 Theater Appreciation

Humanities: Choose one course from the following disciplines for 3 credit hours:
- BH 1303 General Psychology
- BH 1403 Principles of Sociology
- BH 1613 Cultural Anthropology
- CJ 1203 Intro to Criminal Justice
- EC 1213 Principles of Microeconomics
- GE 1103 World Regional Geography
- SS 1403 American Nat’l Government

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.

ENGINEERING MAJORS

(minimum grade of C or better) to satisfy humanities requirement.
- EG 1303 Introduction to Literature
- HS 1303 American History I 1492-1877
- HS 1313 American History II 1877-Present
- HS 1503 Survey of Western Civ I
- HS 1603 World Civilization I
- HS 1613 World Civilization II
- PH 2103 Introduction to Ethics
- PH 2203 Intro to Philosophy
- PH 1303 Intro to the Old Testament
- PH 1313 Intro to the New Testament

Social & Behavioral Sciences: Choose one course from the following disciplines for 3 credit hours:
- BH 1303 General Psychology
- BH 1403 Principles of Sociology
- BH 1613 Cultural Anthropology
- CJ 1203 Intro to Criminal Justice
- EC 1213 Principles of Microeconomics
- GE 1103 World Regional Geography
- SS 1403 American Nat’l Government

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

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:
- CH 1505 College Chemistry I (LAB)
- EN 1202 Engineering Graphics I
  AND EN 1212 Engineering Graphics II
  AND EN 2202 Computer Aided Drafting (except BIOME, CE, CS and EE)
- MA 2605 Analytic Geom/Calc I
- MA 2615 Analytic Geom/Calc II
- MA 2625 Calculus III (except BIOME, CE, CS and ET)
- PS 2505 Engr Physics I (LAB) (except ET)
- PS 2515 Engr Physics II (LAB) (except ET)

OTHER REQUIRED COURSES BY MAJORS:

Aerospace Engineering (AE):
- EN 1202 Engineering Graphics I
  AND EN 1212 Engineering Graphics II
  AND EN 2202 Computer Aided Drafting
**RECOMMENDED TRANSFER COURSES**

**Biomedical Engineering (BIOME):**
- BI 2115 Anatomy & Physiology Lecture/Lab (LAB) OR
- BI 2304 Human Anatomy **AND** BI 2314 Human Physiology (LAB)
- CH 1515 College Chemistry II (LAB)

**Industrial Engineering (IE):**
- EN 1202 Engineering Graphics I **AND** EN 1212 Engineering Graphics II **AND** EN 2202 Computer Aided Drafting

**Manufacturing Engineering (IME):**
- EN 1202 Engineering Graphics I **AND** EN 1212 Engineering Graphics II **AND** EN 2202 Computer Aided Drafting

**Mechanical Engineering (ME):**
- EN 1202 Engineering Graphics I **AND** EN 1212 Engineering Graphics II **AND** EN 2202 Computer Aided Drafting

**Engineering Technology Management, Renewable Energy and Mechatronics Technology:**
- AC 1203 Accounting I **AND** AC 1213 Accounting II (ONLY for Engineering Technology Management)
- BA 1263 Intro to Marketing (ONLY for Engineering Technology Management)
- BA 1213 Business English
- EN 1202 Engineering Graphics I **AND** EN 1212 Engineering Graphics II **AND** EN 2202 Computer Aided Drafting
- MA 1173 College Algebra
- MA 1183 Trigonometry
- PS 2205 General Physics I (LAB)

- 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
Dual Advisor
Norman.Bent@wichita.edu

or at
(316) 978-6460

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)