

KELLOGG COMMUNITY COLLEGE

Curriculum Guide for Transfer to: **Grand Valley State University** Curriculum: **Pre-Engineering**

	<u>Minimum Required Credits</u>
Group I. Communications Group Requirement (1)..... Take ENGL 151 and 152.	6
Group II. Wellness Group Requirement (2)..... Take one of the following: PEC 121, 150 through 160.	2
Group III. Social Science Group Requirement (1)..... Take ECON 201 or 202, SOCI 201, and ANTH 200.	9
Group IV. Science and Mathematics Group Requirement (1)..... Take MATH 141 and BIOL 110.	8
Group V. Humanities Group Requirement (1)..... Take PHIL 202 Two courses selected from two of the following subject areas: ART 105, 211, 212, 213; a Foreign Language course; HIST 103, 104, 106, 151, 152, 201, 202, 203; LITE 105, 205, 206, 211, 212, 216, 223, 225, 230; 285; HUMA 150, 200, 205; MUSI 211, 212; PHIL 201, 250; THEA 121, 122.	8

MAJOR REQUIREMENTS:

MATH 142	Calculus II	5
MATH 241	Calculus III	5
MATH 242	Differential Equations	4
PHYS 201	General Physics I	4
PHYS 202	General Physics II	4
CHEM 110	General Chemistry I	4

- (1) Completion of course requirements in Groups I, III, IV and V satisfies the MACRAO Agreement between KCC and Grand Valley State University.
- (2) Not a requirement at GVSU. See an academic advisor if seeking an associate's degree from KCC.

NOTE: Students beginning classes for the first time at KCC in the Fall semester of 2004 will need to complete COMM 101 or 111 to satisfy KCC graduation requirements for all Associate degrees. Please consider this requirement when speaking to an Academic Advisor regarding your options for completing your transfer program.

NOTE: Effective Fall 2005, the minimum GPA needed for admission to GVSU is at least a 2.50.

NOTES:

- Degree offered: B.S.E.
- Students normally start GVSU in the Fall semester. Application for transfer should be filed by June 1 prior to Fall entry. The program involves full-time participation for the next nine continuous semesters (36 months): six academic and three alternating cooperative work semesters. GVSU's engineering program is industry oriented and lab based with integrated co-ops in the junior and senior years. After transfer, students complete additional freshman and sophomore engineering courses in Grand Rapids that are not available at Kellogg Community College. The engineering program is taught on the Grand Rapids campus. Students should contact the Padnos School of Engineering as soon as possible.
- This guide assumes that students are prepared to begin with MATH 141. Additional prerequisite courses may be required.
- Students will need to take basic engineering courses at Grand Valley. They are not available at Kellogg. This will add additional time to the program. Students may choose to complete the MACRAO requirements before transferring to GVSU.

Admission

- Admission to major standing in the B.S.E. program is competitive and requires a secondary application. Applicants must meet at least the following: (1) a GPA of 2.7 or above in the engineering foundations course sequence, (2) completion of each course in the engineering foundations course sequence with a grade of C (2.0) or above, and (3) completion of EGR 289 in preparation for placement in cooperative engineering education. Transfer students must also complete at least eight semester hours of engineering courses at Grand Valley before they can be admitted to major standing.

Admission is based upon no more than one repeat per required course in the premajor engineering foundations course sequence. Once admitted to major standing in the B.S.E. program, students are expected to devote sufficient time to complete the work assigned in each course. Students are expected to maintain the highest ethical standards at all times. Students may be dismissed from the program for violations of ethical standards or unsatisfactory academic progress.

Students must apply directly to the School of Engineering before the last day of classes of the fall semester of the academic year in which they are seeking admission to major standing. Application forms are available from the School of Engineering office. Notification letters are issued no later than the second week of the winter semester.