

## Sample Schedule for Pre-Engineering Students at GRCC

The sample schedule is designed for students who are planning to transfer to a bachelor's degree program in engineering, including colleges such as the University of Michigan, Michigan State University, Michigan Technological University, Grand Valley State University, and Western Michigan University. Various disciplines, colleges and universities may have additional requirements for application to the Engineering department or university. In some cases, it may be to the student's advantage to transfer prior to obtaining an associate's degree. **It is critical that you contact any engineering program that you wish to attend and request information about their department and general admission requirements.**

### *First Year First Semester*

<u>Course</u>	<u>Credits</u>
CM 103 General Chemistry 1 (or CM 113) (4)	4
PS 110 Survey of American Gov.	3
EN 101 English Composition I	3
MA 133 Calculus 1	5
Total	15

### *First Year Second Semester*

<u>Course</u>	<u>Credits</u>
MA 134 Calculus 2	5
EN 102 English Composition II	3
Elective credits*	6
WE xxx Physical Ed. Elective	1
Total	15

### *Second Year First Semester*

<u>Course</u>	<u>Credits</u>
PH 245 Calculus Physics I	5
MA 255 Calculus 3	4
EG 208 Statics†	3
Elective credits*	4
Total	16

### *Second Year Second Semester*

<u>Course</u>	<u>Credits</u>
PH 246 Calculus Physics II	5
MA 257 Diff. Eqns. & Lin. Algebra	4
EG 212 Dynamics†	3
Elective credits*	4
Total	16

Total Credit Hours: 62

\*Students seeking an AA or AS degree should select Social Science and Humanities courses to meet graduation requirements. Check with transfer institutions for transferability of specific courses. Consider computer application courses required/recommended by transfer institutions for Elective hours that are not used to meet graduation and/or the MACRAO agreement requirements.

Recommended/suggested electives

CO 127 (or others)  
EG 110  
EG 215  
CM 104 (CM 114)

† Check transfer institutions for requirements.