

Suggested Schedule of Courses for the Chemical Technology Program
at Grand Rapids Community College

*First Year
First Semester*

<u>Course</u>	<u>Credits</u>
*CM 109 Survey of Gen. Chem.	5
CO101 or 156 Computer Elective	2
†EN 100 or 101 Writing or Comp.	3
MA 131 Pre-calculus	5
CM 102 Intro. to Chem. Tech.	1
Total	16

*First Year
Second Semester*

<u>Course</u>	<u>Credits</u>
#CM231 Intro to Organic Chem.	4
CM 212 Quant. Chem. Analysis	5
†EN 102 English Composition II	3
PS 110 Survey of American Gov.	3
WE xxx Physical Ed. Elective	1
Total	16

*First Year
Third Semester*

<u>Course</u>	<u>Credits</u>
CM 282 Instrumental Analysis	4

A summer internship (employment) at a local chemical industry is also encouraged.

*Second Year
First Semester*

<u>Course</u>	<u>Credits</u>
PH 125 College Physics I	4
CM 241 Biological Chemistry	4
SC 131 or 135 Speech or Commun.	3
Elective	3- 4
Total	14 - 15

*Second Year
Second Semester*

<u>Course</u>	<u>Credits</u>
PH 126 College Physics II	4
CM 252 Polymer Chemistry	3
EN 249 Technical Writing	3
Elective	3 - 4
Total	13 - 14

Total Credit Hours: 63 - 65

Suggested Non-Chemistry Electives

MN 219 Survey of Polymer Technology	3
BI xxx Most Biology courses	3 - 4

*#More intensive courses or course sequences may be used to replace these less intensive courses:

*CM 109 may be replaced by **either** the CM103 and 104 sequence **or** the CM113 and 114 sequence.

#CM231 may be replaced by **both** the CM236/CM237 **and** the CM238/CM239 course sequences.

If these replacements are made, CM 241 and CM 252 can become electives and the number of total credit hours will remain within the same range.

† The two-course EN sequence may be replaced by the BA101 and BA102 sequence for students who are seeking the AAAS degree.