

Suggested Schedule of Courses for the One-Year Certificate in Chemical Technology
at Grand Rapids Community College

First Semester

<u>Course</u>	<u>Credits</u>
*CM 109 Survey of Gen. Chem.	5
MA 110 College Algebra	4
<u>†EN 100 or 101 Writing or Comp.</u>	<u>3</u>
Total	12

Second Semester

<u>Course</u>	<u>Credits</u>
#CM 231 Intro to Organic Chem.	4
†EN 102 English Composition II	3
<u>CM 212 Quant. Chem. Analysis</u>	<u>5</u>
Total	12

Third Semester

<u>Course</u>	<u>Credits</u>
CM 282 Instrumental Analysis	4
<u>CO 101 or 156 Computer Elective</u>	<u>2</u>
Total	6

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

*CM 109 may be replaced by the CM103 and CM104 sequence or the CM 113 and CM114 sequence.

#CM231 may be replaced by the CM236 and CM237 sequence.

†The two-course EN sequence may be replaced by the BA101 and BA102 sequence.