

**LAWRENCE TECHNOLOGICAL UNIVERSITY ~ TRANSFER GUIDE**  
**GRAND RAPIDS COMMUNITY COLLEGE**

**Major:** *Chemistry (C) and Environmental Chemistry (EC)*

**Valid For:** Lawrence Technological University 2008-2009 Catalog  
 Grand Rapids Community College 2009-2011 Catalog

Grand Rapids Community College Courses	Lawrence Technological University Equivalencies
<b>Natural Sciences</b>	
CM 113	CHM1213 University Chemistry 1 CHM1221 University Chemistry 1 Lab
PH 245	PHY2413 University Physics 1 PHY2421 University Physics 1 Lab
PH 246	PHY2423 University Physics 2 PHY2431 University Physics 2 Lab
<b>Mathematics</b>	
MA 133 + MA 134 + MA 255	MCS1414 Calculus 1 MCS1424 Calculus 2 MCS2414 Calculus 3
Calculus courses transfer as a package and cannot be transferred individually.	
<b>Communications</b>	
EN 101 or 102	COM1103 English Composition
BA 102 or EN 249	COM2103 Tech & Prof Comm
<b>Humanities</b>	
Select Two Courses: <b>AT</b> 105, 106, <b>EN</b> 233, 235, 237, 247, 252, 261, 262, 270, 271, 272, 275, 281, 282, <b>HU</b> 204, 205, 274, <b>MU</b> 235	Humanities Courses 6 Credit Hours Required
Select Two Courses: <b>AN</b> 201, 205, 210, 280, <b>GE</b> 132, 135, 140, 253, 281, <b>HS</b> 101, 102, 120, 121, 241, 242, 249, 250, 251, 260, 276, 281, 290, <b>PL</b> 201, 205, <b>PS</b> 110, 200, 201, 202, 215, <b>SO</b> 251, 254, 260, 265, 270, <b>PY</b> 201, 231, 260b	Social Science Courses 6 Credit Hours Required
<b>Additional Transferable Courses</b>	
Select one additional course different from above selections: <b>AN</b> 201, 205, 210, 280, <b>GE</b> 132, 135, 140, 253, 281, <b>HS</b> 101, 102, 120, 121, 241, 242, 249, 250, 251, 260, 276, 281, 290, <b>PL</b> 201, 205, <b>PS</b> 110, 200, 201, 202, 215, <b>SO</b> 251, 254, 260, 265, 270, <b>PY</b> 201, 231, 260	Social Science Elective 3 Credit Hours
CM 114	CHM1223 University Chemistry 2 CHM1232 University Chemistry 2 Lab
CM 236 + 237	CHM2313 Organic Chemistry 1

CM 238 + 239	CHM2323 Organic Chemistry 2 CHM2332 Organic Chemistry 2 Lab
MA 257	MCS2423 Differential Equations
17 Semester hours of college level coursework (C only)	Open Electives (17 Semester Hours)
3 Semester hours of college level coursework (EC only)	Open Electives (3 Semester Hours)

**PLEASE NOTE:**

- General Education requirements may be waived by one of the following methods:
  1. satisfying the MACRAO Agreement — transcript must be stamped “MACRAO Agreement Satisfied.”
  2. course by course transfer as indicated on this guide sheet.
  3. satisfactory completion of an articulation agreement where applicable.
- This transfer guide sheet is valid for the catalog dates shown.
- A maximum of 60 semester hours of community college coursework may transfer.
- All classes on the guide must have a grade of “C”, or higher in order to transfer.
- We welcome and encourage you to contact an LTU Admissions Counselor early in your community college career to ensure maximum transfer of credit.
- Contact the Office of Admissions if you have questions or would like to schedule a campus tour or an appointment with an Admissions Counselor.

**THE FOLLOWING ARE PREREQUISITE COURSES AND DO NOT TRANSFER:**

CM 100 Basic Chemistry  
 MA 104 Elementary Algebra  
 MA 107 Intermediate Algebra  
 MA 110 College Algebra  
 MA 108 Trigonometry  
 PH 125 College Physics

***Apprenticeship, trade, remedial, physical education, and basic study courses are not transferable.***

An evaluation of your current standing (under the LTU major of your choice) can be obtained by sending student copies of your transcripts to:

LTU Office of Admissions  
 21000 W. 10 Mile Rd.  
 Southfield, MI 48075  
 Phone (248)-204-3160  
 Fax (248) 204-2228

6/8/09 am