

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

**Majors:** *Chemical Biology*  
**Valid For:** Lawrence Technological University 2011-2012 Catalog  
 Grand Rapids Community College 2011-2013 Catalog

Grand Rapids Community College Courses	Lawrence Technological University Equivalencies
<b>Mathematics</b>	
<b>MA 133</b>	MCS1414 Calculus 1
<b>MA 134</b>	MCS1424 Calculus 2
<b>MA 255</b>	MCS2414 Calculus 3
<b>MA 257</b>	MCSxxx3 Advanced Math Requirement
<b>Natural Sciences</b>	
<b>CHM 130 + 131</b>	CHM 1213 University Chemistry 1 CHM 1221 University Chemistry 1 Lab
<b>CHM 140 + 141</b>	CHM 1223 University Chemistry 2 CHM 1232 University Chemistry 2 Lab
<b>CHM 260 + 261</b>	CHM 2313 Organic Chemistry 1
<b>CHM 270 + 271</b>	CHM 2323 Organic Chemistry 2 CHM 2332 Organic Chemistry 2 Lab
<b>PH 245</b>	PHY 2413 University Physics 1 PHY 2421 University Physics 1 Lab
<b>PH 246</b>	PHY 2423 University Physics 2 PHY 2431 University Physics 2 Lab
<b>BI 101</b>	BIO 1213 Biology 1 BIO 1221 Biology 1 Lab
<b>Communications</b>	
<b>EN 101 or 102</b>	COM1103 English Composition
Choose 1: <b>BA 102</b> <b>EN 249</b>	COM2103 Tech & Prof Comm
<b>Humanities/Social Sciences</b>	
Select <b>2</b> Courses: <b>AT 105, 106</b> <b>EN 233, 235, 237, 247, 252, 261, 262, 270, 271, 272, 275, 281, 282</b> <b>HU 204, 205, 274</b> <b>MU 235</b>	Humanities Courses <b>6</b> Credit Hours Required
Select <b>3</b> Courses: <b>AN 201, 205, 210, 280</b> <b>GE 132, 135, 140, 253, 281</b> <b>HS 101, 102, 120, 121, 241, 242, 249, 250, 251, 260, 276, 281, 290</b> <b>PL 201, 205</b> <b>PS 110, 200, 201, 202, 215</b> <b>PY 201, 231, 260</b> <b>SO 251, 254, 260, 265, 270</b>	Social Science Courses <b>9</b> Credit Hours Required

## Additional Requirements

General Electives	General Electives: 6 credit hours
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### 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:

CHE 100 Introductory Chemistry  
MAT 110 Elementary Algebra  
MAT 115 Intermediate Algebra  
MAT 154 College Algebra  
MAT 156 Trigonometry  
MAT 163 College Algebra and Trigonometry

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

***This agreement does not necessarily contain exact equivalencies and should not be used for current LTU students to plan transfer credit as a guest student.***

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