

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

**Major:** *Computer Science*

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

Grand Rapids Community College Courses	Lawrence Technological University Equivalencies	Options		
		1	2	3

Note: Option 1 requires Calculus 1, 2, and 3. Options 2 and 3 require Applied Calculus

**Mathematics**

MA 133	MCS1414 Calculus 1	X		
MA 134	MCS1424 Calculus 2	X		
MA 255	MCS2414 Calculus 3	X		
MA 257	MCSXXX3 Adv Math Requirement	X		
MA 131	MCS1214 Intro to Math Analysis 1		X	X
MA 129 or 133	MCS1224 Intro to Math Analysis 2		X	X

**Natural Sciences**

PH 245	PHY2413 University Physics 1 PHY2421 University Physics 1 Lab	X		
PH 246	PHY2423 University Physics 2 PHY2431 University Physics 2 Lab	X		
Select two courses and one must include a lab: AS 103, BI 101, 103, 104, 117, 121, 122, 151, 152, CM 100, 101, 103,104, 109, 210, 231, 241, 252, GL 101, 104, 105, PC 101, PH 111, 125, 126	Natural Science Elective Credit (7 credit hours- 1 must include a lab)		X	X

**Communications**

EN 101 or 102	COM1103 English Composition	X	X	X
BA 102 or EN 249	COM2103 Tech & Prof Comm	X	X	X

**Humanities**

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	X	X	X
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, 260	Social Science Courses 6 Credit Hours Required	X	X	X
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,	One Additional Social Science Course (3 Semester Hours)	X	X	X

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				
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Additional Core Requirements

MA 245	MCS2524 Discrete Math	X	X	X
CO 127	MCS1142 Intro to C	X	X	X
CO 227	MCS1514 Computer Science 1	X	X	X
CO 229	MCS2514 Computer Science 2	X	X	X
18-21 Semester Hours of College Level Coursework	Open Electives (Option 1- 18 Semester Hours) (Options 2 & 3- 21 Semester Hours)	X	X	X

**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 encourage and welcome you to contact an admissions counselor at LTU early in your community college coursework 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**

**Option 1**

MA 104 Elementary Algebra  
 MA 107 Intermediate Algebra  
 MA 110 College Algebra  
 MA 108 Trigonometry  
 PH 125 College Physics 1

**Options 2 and 3**

MA 104 Elementary Algebra  
 MA 107 Intermediate Algebra

***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