

**LAWRENCE TECHNOLOGICAL UNIVERSITY ~ TRANSFER GUIDE  
NORTHWESTERN MICHIGAN COLLEGE**

**Major:** *Civil Engineering*

**Valid For:** Lawrence Technological University 2011-2012 Catalog  
Northwestern Michigan College 2011-2013 Catalog

Northwestern Michigan College	Lawrence Technological University
Courses Required	Equivalencies
Mathematics	
MTH 141	MCS1414 Calculus 1
MTH 142	MCS1424 Calculus 2
MTH 241	MCS2414 Calculus 3
MTH 251	MCS2423 Differential Equations
Natural Sciences	
CHM 150 + 150R	CHM1213 University Chemistry 1 CHM1221 University Chemistry 1 Lab
PHY 221 + 221R	PHY2413 University Physics 1 PHY2421 University Physics 1 Lab
PHY 222 + 222R	PHY2423 University Physics 2 PHY2431 University Physics 2 Lab
Communications	
ENG 111 or 112	COM1103 English Composition
ENG 220 or BUS 231	COM2103 Tech & Prof. Communication
Humanities	
Select Two Courses: <b>ART</b> 100, 111, 112, 116, <b>ENG</b> 221, 240, 241, 242, 254, 256, 261, 262, 263, 264, 265, 271 <b>HUM</b> 101, 102, 111, 112, <b>MUS</b> 110, 111, <b>PHL</b> , 181, 182	Humanities Courses 6 Credit Hours Required
Select Two Courses: <b>ANT</b> 113, <b>GEO</b> 101, 105, 108, 109, 110, <b>HST</b> 101, 102, 111, 112, 211, 212, 213, 225, 228, 230, 235, <b>PHL</b> 101, 105, 121, 122, 201, 202, 222, <b>HUM</b> 116 <b>PLS</b> 101, 132, 211, 221, <b>SOC</b> 101, 201, 211, 220, 231 <b>PSY</b> 101, 211. 221, 223, 225, 231, 250	Social Science Courses 6 Credit Hours Required
ECO 201 or 202	SSC2303 Principles of Economics
Additional Core Requirements	
EGR 113	ECE1013 Surveying
EGR 201	ECE1413 CE Materials

**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.

***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.***

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

MTH 23 Beginning Algebra  
MTH 111 Intermediate Algebra  
MTH 140 College Algebra/Trigonometry  
CHM 101 Introductory Chemistry  
PHY 105 Physics

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

6/17/11 am