

**LAWRENCE TECHNOLOGICAL UNIVERSITY ~ TRANSFER GUIDE**  
**WAYNE COUNTY COMMUNITY COLLEGE**

**Major:** *Industrial Operations Engineering*

**Valid For:** Lawrence Technological University 2011-2012 Catalog  
Wayne County Community College 2011-2012 Catalog

Wayne County Community College	Lawrence Technological University
Courses Required	Equivalencies
<b>Mathematics</b>	
MAT 171	MCS1414 Calculus 1
MAT 172	MCS1424 Calculus 2
MAT 271	MCS2414 Calculus 3
MAT 273	MCS2423 Differential Equations
<b>Natural Sciences</b>	
CHM 136	CHM1213 University Chemistry 1 CHM1221 University Chemistry 1 Lab
PHY 265	PHY2413 University Physics 1 PHY2421 University Physics 1 Lab
PHY 275	PHY2423 University Physics 2 PHY2431 University Physics 2 Lab
<b>Communications</b>	
ENG 119 or 120	COM1103 English Composition
ENG 134 or 270	COM2103 Tech & Prof. Communication
<b>Humanities</b>	
Select Two Courses: ENG 212, 228, 231, 232, 233, 234, 240, 250, 252, 261, 266, 275, 290, HUM 103, 126, 212, 221, 222, MUS 121	Humanities Courses 6 Credit Hours Required
Select Two Courses: AAS 120, 175, ANTH 152, 154, 201, 210, GEG 202, HIS 151, 152, 220, 249, 250, 255, 261, 262, PHL 101, 102, 201, 221, PS 101, 104, 160, 235, SOC 100, 103, 104, 225, 230, 245, 250, PSY 101, 220, 230, 250, 260, 270	Social Science Courses 6 Credit Hours Required
ECO 101 or 102	SSC2303 Principles of Economics 1

**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**

MAT 112 Elementary Algebra  
MAT 113 Intermediate Algebra  
MAT 155 College Algebra  
MAT 156 Precalculus  
CHM 105 + 105L Introductory Chemistry  
PHY 115 + 115L Fundamentals of Physics

\*\* LTU accepts the MACRAO transfer agreement. Please see your community college counselor for advising on transferable courses in the MACRAO agreement.

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

7/7/11 am