

**LAWRENCE TECHNOLOGICAL UNIVERSITY ~ TRANSFER GUIDE**  
**DELTA COLLEGE**

**Major:** *Industrial Operations Engineering*

**Valid For:** **Lawrence Technological University 2011-2012 Catalog**  
**Delta College 2011-2012 Catalog**

Delta College	Lawrence Technological University
Courses Required	Equivalencies
<b>Mathematics</b>	
MTH 161	MCS1414 Calculus 1
MTH 162	MCS1424 Calculus 2
MTH 261	MCS2414 Calculus 3
MTH 264	MCS2423 Differential Equations
<b>Natural Sciences</b>	
CHM 111	CHM1213 University Chemistry 1 CHM1221 University Chemistry 1 Lab
PHY 211	PHY2413 University Physics 1 PHY2421 University Physics 1 Lab
PHY 212	PHY2423 University Physics 2 PHY2431 University Physics 2 Lab
<b>Communications</b>	
ENG 111A or 112 or 211	COM1103 English Composition
ENG 113	COM2103 Tech & Prof. Communication
<b>Humanities</b>	
Select Two Courses: <b>ART</b> 151, 152,255, <b>ENG</b> 253, 254, 256, <b>LIT</b> 219, 220, 221, 222, 223, 228, 229, 241, 242, 245, 246, 260, 269, 271, 272, 274,276, 277, 278, <b>MUS</b> 111	Humanities Courses 6 Credit Hours Required
Select Two Courses: <b>HIS</b> 111, 112, 217, 215, 221, 222, 236, <b>IHU</b> 234, <b>GEO</b> 222, 223, 226, 255, <b>PHL</b> 211, 214, <b>PSY</b> 101, 211, 231, 241, <b>SOC</b> 211, 212, 215, 216, 221, 230, 231, 265, <b>POL</b> 103, 215, 221	Social Science Courses 6 Credit Hours Required
ECN 221 or 222	SSC2303 Principles of Economics 1
<b>Additional Core Requirements</b>	
EGR 100 + 101	EGE1012 Intro to Engineering
EGR 215	EGE2013 Statics
EGR 216	EME3043 Dynamics
DRF 104	EME2012 Mech. Eng. Graphics

**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**

MTH 097 Algebra 1  
MTH 109 Geometry  
MTH 111 Applied Algebra or MTH 119 Intermediate Algebra  
MTH 113 Applied Trigonometry or MTH 121 Plane Trigonometry  
CHM 101 General Chemistry 1  
PHY 101 Applied Physics

***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

6/16/11 am