

**LAWRENCE TECHNOLOGICAL UNIVERSITY  
ARTICULATION GUIDE**

**Macomb Community College – Baccalaureate Studies Associates Degree  
LTU - Bachelor of Science in Civil Engineering  
Based on MCC 2005-2006 Catalog and LTU 2005-2007 Catalog**

**Macomb Community College Courses:**

**Transfer to LTU as:**

<b>Degree Requirements</b>	
<p><b>English Requirements .....(6-8 credits)</b> Two English Composition Courses: ENGL 1180 or 1210 OR ENGL 1190 or 1220</p> <p><b>Mathematics/Science .....(3-4 credits)</b> One course in Math (<b>must be</b> MATH 1760)</p> <p><b>Social Science .....(3-4 credits)</b> One course from any of the following: ANTH 1000, HIST 1260, 1270, 1500, 1600, 1700, 2000, 2100, 2200, 2360, 2390, 2420, 2520, GEOG 1500, 2000, HUMN 1700, PHIL 2010, 2100, POLS 1000, 1101, 1102, 1103, 1104, 1200, 1600, 1900, SOSC 1010, SOCY 1010, 1100, 2000, 2120, 2450, PSYC 1010, 2210, 2220, 2300, 2310, 2400, 2500, 2600, 2700, 2800</p> <p><b>Humanities ..... (3 credits)</b> One course from any of the following: ARTT 2610, 2620, ENGL 1730, 2410, 2420, 2510, 2520, 2600, 2610, 2630, 2710, 2720, 2730, 2800, 2810, 2850, HUMN 1210, 1250, 1460, 1472, 1473, 1474, 1476, 1479, 2000, 1750, MUSC 1030, 2710, PHIL 2200, 2400, THEA 1100</p> <p><b>Additional Requirements .....(20-21 credits)</b> Recommended Coursework in the Following Subject Areas: PHYS 2220 .....5 PHYS 2230 .....5 MATH 1770 .....4 One additional Social Science Course from above (3-4 Cred.) One Additional Humanities Course from above (3 Cred.)</p> <p><b>Other Coursework .....(33 credits)</b> MATH 2760 .....4 MATH 2770 .....4 BCOM 2050 .....4 ENGR 1000 .....3 CHEM 1170 .....4 ECON 1160 or 1170 .....3 SURV 1100 + 2300 .....3 CIVL 1000 + 2200 .....3 COM 1001 (Satisfied w/ finishing ABS degree) PHYS 2400 .....4</p>	<p>COM 1103 English Composition ..... 3</p> <p>MCS 1414 Calculus 1 ..... 4</p> <p>SSC 2413 Foundations of the American Experience ..... 3</p> <p>LLT 1213 World Masterpieces 1 ..... 3</p> <p>PHYS 2413 + 2421 University Physics 1 + Lab ..... 4 PHYS 2431 + 2431 University Physics 2 + Lab ..... 4 MCS 1424 Calculus 2 ..... 4 SSC 2423 Development of the American Experience ..... 3 LLT 1223 World Masterpieces 2 ..... 3</p> <p>MCS 2414 Calculus 3 ..... 4 MCS 2423 Differential Equations ..... 3 COM 2103 Technical and Professional Communication ..... 3 ECE 1012 Civil Engineering Perspectives ..... 2 CHM 1213 + 1221 University Chemistry + Lab ..... 4 SSC 2303 Basic Economics ..... 3 ECE 1013 Surveying and Land Measurement ..... 3 ECE 1413 Civil Engineering Materials ..... 3 ECE 2013 Statics ..... 3</p>

**NOTE: See an MCC counselor for transfer information.**

**LAWRENCE TECHNOLOGICAL UNIVERSITY  
ARTICULATION GUIDE**

**Macomb Community College - Baccalaureate Studies Associates Degree  
LTU - Bachelor of Science in Civil Engineering  
Based on MCC 2005-2006 Catalog and LTU 2005-2007 Catalog**

**Macomb Community College Courses:**

**Transfer to LTU as:**

<p><b><u>Remaining Courses at LTU for the BSCE:</u></b></p> <p><b>Civil Engineering Core (39 credit hours)</b>  ECE 1101 + 1102- CE Comp. App. &amp; Graphics Lab.....3  ECE 3523- Hydromechanics.....3  ECE 3213- Construction Engineering.....3  ECE 3324- Environmental Engineering.....4  ECE 3424- Geotechnical Engineering.....3  ECE 3723- Theory of Structures.....3  ECE 3823- Transportation of Engineering.....3  ECE 3013- Mechanics of Materials.....3  ECE 4021- CE Design Project 1.....1  ECE 4051- Ethics &amp; Prof. Issues.....1  ECE 4544- Hydraulic Design.....4  ECE 4743- Concrete Design.....3  ECE 4033- CE Design Project 2.....3  ECE 4761- Structural Design Test Lab.....1</p> <p><b>Civil Engineering Elective Courses (15 cr. Hrs.)</b>  -Select at least seven credit hours of design credits- <b>number in brackets</b>. 15 credit hours are the minimum for completing this requirement.  ECE 4243- CE Mgmt. Practices (0).....3  ECE 4263- Cost, Estimating, Bidding (0).....3  ECE 4343- Environmental Engineering 2 (1).....3  ECE 4563- Hydrology (1).....3  ECE 4733- Advanced Structures (0).....3  ECE 4363- Environmental Design (3).....3  ECE 4443- Foundation Engineering (3).....3  ECE 4623- Project Design (1).....3  ECE 4752- Steel Design (3).....3  ECE 4843- Highway Engineering (3).....3</p>	<p><b>Remaining Engineering Courses (8 credit hours):</b>  EEE 2123- Circuits &amp; Electronics.....3  EGE 3012- Engineering Cost Analysis.....2  EGE XXX3- Engineering Science Elective.....3</p> <p><b>Remaining Arts &amp; Sciences Courses (6 credit hours)</b>  MCS 3403- Prob. &amp; Stats.....3  LLT/ SSC/ PSY Jr. Sr. Elective.....3</p>
	<p><b>Maximum Transferable MCC Credits .....63</b>  <b>Minimum Credits at LTU .....68</b>  <b>**Minimum credits to Graduate 131**</b></p>