

**LAWRENCE TECHNOLOGICAL UNIVERSITY
ARTICULATION GUIDE**

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

Macomb Community College Courses:

Transfer to LTU as:

Degree Requirements	
<p>English Requirements(6-8 credits) Two English Composition Courses ENGL 1180 or 1210 OR ENGL 1190 or 1220</p>	<p>COM 1103 English Composition 3</p>
<p>Mathematics/Science(3-4 credits) One course in Math, either MATH 1360 or 1450 (Note: It is possible most students will not be placed into MATH 1760. MATH 1450 or 1420 + 1430 will be substituted to satisfy this category, and MATH 1760 will be moved to become additional coursework.)</p>	<p>MCS 1414 Calculus 1 4</p>
<p>Social Science(3-4 credits) 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>SSC 2413 Foundations of the American Experience 3</p>
<p>Humanities(3 credits) 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>LLT 1223 World Masterpieces 1 3</p>
<p>Additional Requirements(21 credits) 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 One Additional Humanities Course from above 3 Social Science/Psychology Elective (Choose One Course): 3 HIST 1260, 1270, 1500, 1600, 1700, 2000, 2100, 2200, 2360, 2390, 2420, 2520, POLS 1000, 1101, 1102, 1103, 1104, 1200, 1600, 1900, SOSC 1010, PSYC 1010, 2210, 2220, 2300, 2310, 2400, 2500, 2600, 2700, 2800</p>	<p>PHY 2413 + 2421 University Physics 1 + Lab 4 PHY 2423 + 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 Social Science Elective 3</p>

NOTE: See an MCC counselor for transfer information.

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<p>Other Coursework (25 credits) MATH 27604 MATH 27703 MATH 22003 BCOM 20504 ITCS 25304 CHEM 11804 MATH 20003 For ITCS 2530 pre-requisites are required. Please check with Macomb for more details.</p>	<p>MCS 2414 Calculus 34 MCS 2423 Differential Equations3 MCS 2523 Discrete Mathematics3 COM 2103 Technical and Professional Communication4 MCS 1514 Computer Science 14 CHM 1223 University Chemistry 24 MCS 3863 Linear Algebra3</p> <p><u>Remaining Courses at LTU for the BSMathCS:</u></p> <p>Math/ Computer Science Courses (44 credit hours) MCS 2514 Computer Science 24 MCS 2534- Data Structures4 MCS 3403- Prob. & Stats3 MCS 3523- Math Modeling3 MCS 3663- Computer Arch./ Assembler3 MCS 3723- Advanced Calculus3 MCS 3733- Partial Differential Equations3 MCS 3743- Complex Analysis3 MCS 4613- Computer Networking3 MCS 4653- Auto Theory3 MCS 4813- Numerical Analysis 13 MCS 4863- Modern Algebra3 MCS 4833- Senior Project3</p> <p>Remaining Arts & Science Courses (6 cr. Hrs.) LLT Jr./ Sr. Elective3 SSC/ PSY Jr./ Sr. Elective3</p> <p>General Electives (8 credit hours)</p>
	<p>Maximum Transferable MCC Credits63 Minimum Credits at LTU58 **Minimum credits to Graduate 121**</p>