

**LAWRENCE TECHNOLOGICAL UNIVERSITY
ARTICULATION GUIDE**

**Macomb Community College – Baccalaureate Studies Associates Degree
LTU - Bachelor of Science in Computer Engineering
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 ENGL 1190 or 1220</p> <p>Mathematics/Science(3-4 credits) One course in Math (Preferably MATH 1760) 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>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, SOSOC 1010, SOCY 1010, 1100, 2000, 2120, 2450, PSYC 1010, 2210, 2220, 2300, 2310, 2400, 2500, 2600, 2700, 2800</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>Additional Requirements(18 credits) Recommended Coursework in the Following Subject Areas: PHYS 22205 PHYS 22305 MATH 17704 One additional Social Science Course from above (3-4 Cred.) One Additional Humanities Course from above (3 Cred.)</p> <p>Other Coursework(28 credits) MATH 27604 MATH 27704 BCOM 20504 ENGR 10003 CHEM 11704 ITCS 2530, 25808 MATH 22004 COM 1001 (University Seminar Satisfied by excess credit) Note: Pre-requisite courses may have to be taken before enrolling in ITCS 2530. Please check with Macomb to learn about additional pre-requisite courses.</p>	<p>COM 1103 English Composition 3</p> <p>MCS 1414 Calculus 14</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 + Lab4 MCS 1424 Calculus 24 SSC 2423 Development of the American Experience 3 LLT 1223 World Masterpieces 2 3</p> <p>MCS 2414 Calculus 34 MCS 2423 Differential Equations3 COM 2103 Technical and Professional Communication3 EGE 1012 Introduction to Engineering2 CHM 1213 + 1221 University Chemistry + Lab4 MCS 1514 + 2514 Computer Science 1 + 28 MCS 2523 Discrete Math4</p>

NOTE: See an MCC counselor for transfer information.

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	<p>Remaining Courses at LTU for the BSECE:</p> <p>Computer Engineering Core (42 credit hours): EEE 2114 + 2111 Circuits 1 + Lab.....5 EEE 2213 + 2221 Digital Electronics + Lab.....4 EEE 3123 Circuits 2.....3 EEE 3313 + 3111 Electronics + Lab.....4 EEE 3223 + 3221 Advanced Digital Electronics + Lab.....4 EEE 3233 + 3231 Microprocessors + Lab.....4 EEE 4253 Computer Architecture.....3 EEE 4513 + 4511 Control Systems + Lab.....4 EEE 4821 Intro to ECE Project.....1 EEE 4832 ECE Project 1.....2 EEE 4842 ECE Project 2.....2 EEE 4XX3 EE Tech Electives (two courses).....6</p> <p>Other Engineering Courses (6 credit hours) EGE 1101, 1201, 1301- ECal Courses.....3 EGE 3341- Business Plans.....1 EGE 2231- Project Management.....1 EGE XXX1- Entrepreneurship Tech. Elective.....1</p> <p>Additional Arts & Science Courses (8 credit hours) MCS 1142- Intro to C.....2 MCS 3403- Prob. & Stats.....3 LLT/ SSC/ PSY Jr./ Sr. Elective.....3</p> <p>Computer Core Courses (11 credit hours) MCS 2534- Data Structures.....4 MCS 4663- Operating Systems.....3 EEE XXX3- Computer Engineering Tech Elective.....3 EEE XXX1- EE Lab.....1</p>
	<p>Maximum Transferable MCC Credits70 Minimum Credits at LTU51 **Minimum credits to Graduate 121**</p>