

LAWRENCE TECHNOLOGICAL UNIVERSITY ARTICULATION GUIDE

Macomb Community College – Associate of Baccalaureate Studies Degree LTU – Bachelor of Science in Chemical Biology Based on MCC 2005-2006 Catalog and LTU 2005-2007 Catalog

Macomb Community College Courses:

Transfer to LTU as:

Degree Requirements	
English Requirements (6 credits) Select two courses from the following6 ENG 1180 and 1210 OR ENG 1190 and 1220	COM 1103 English Composition 3
Math and Science(4-6 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.)	MCS 1414 Calculus 1 4
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	LLT 1213 World Masterpieces 1 3
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	SSC 2413 Foundations of the American Experience 3
General Electives(3-5 credits) Recommended Coursework in the Following 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	PHY 2413 +2421 University Physic 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
Other Coursework (37 credits) MATH 2760 4 MATH 2770 4 BCOM 2050 4 CHEM 1170 4 CHEM 1180 4 CHEM 2260 4 CHEM 2270 + 2280 6 Social Science Elective (see soc. Sci. list above) 3-4 BIOL 1000 4 COM 1001 (University Seminar Satisfied by excess credit)	MCS 2414 Calculus 3 4 MCS 2423 Differential Equations 3 COM 2103 Technical and Professional Communication 3 CHM 1213 + 1221 University Chemistry 1 + Lab 4 CHM 1223 + 1232 University Chemistry 2 + Lab 5 CHM 2313- Organic Chemistry 1 3 CHM 2323 + 2332- Organic Chemistry 2 + Lab 5 Social Science Elective 3 BIO 1213 + 1221 Biology 1 + Lab 3
General Electives (3 credits) Suitable courses would include courses in the following disciplines: ENGL, HUMN, HIST, ITCS, MUSC (non-practice), SOSC, PHIL & PSYC	

NOTE: See an MCC counselor for transfer information.

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LTU Courses:

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	<p><u>Remaining Courses at LTU for the BSChemBio:</u></p> <p>Chemical Biology Core (35 cr. Hrs.) BIO 1223 + 1231- Biology 2 + Lab.....4 BIO 2113 + 2321- Microbiology + Lab.....4 BIO 2323- Genetics.....3 BIO 3113 +3121- Cell Biology + Lab.....4 BIO 4113- Physiology.....3 CHM 2631- Instrumentation Lab.....1 CHM 3403 + 3411 Biochemistry + Lab.....4 CHM 3433 + 3421- Physical Chemistry + Lab.....4 CHM 3452- Intermediate Inorganic Chemistry.....2 CHM 4403- Advanced Biochemistry.....3 CHM 4723- Advanced Organic Chemistry.....3</p> <p>Technical Electives (6 cr. Hrs.) Either six hours of CHEM or BIO courses.....6</p> <p>Additional Arts & Science Courses (11 cr. Hrs.) MCS 3403- Prob. & Stats.....3 MCS 1142- Intro to C.....2 LLT Jr./ Sr. Elective.....3 PSY/ SSC Jr./ Sr. Elective.....3</p> <p>General Electives (6 cr. Hrs.)</p>
	<p>Maximum Transferable MCC Credits67 Minimum Credits at LTU58 **Minimum credits to Graduate 125**</p>