



ARTICULATION GUIDE

**Macomb Community College – Baccalaureate Studies Associates Degree
 LTU – Bachelor of Science in Mechanical Engineering
 Based on MCC 2005-06 Catalog and LTU 2005-07 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 6-8 ENGL 1190 or 1220</p>	<p>COM 1103 English Composition 3</p>
<p>Math and Science (3-4 Credits) One course in Math (Preferably MATH 1760). (Note: It is possible most students will not be placed into 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 4</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 1213 World Masterpieces 1 3</p>
<p>Additional Requirements (20-21 Credits) PHYS 2220 5 PHYS 2230 5 MATH 1770 4 One Additional Social Science Course from above list 3-4 One Additional Humanities Course from above list 3</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</p>
<p>Other Coursework (33 credits) MATH 2760 3 MATH 2770 4 BCOM 2050 4 ENGR 1000 3 CHEM 1170 4 PRDE 1500 3 ECON 1160 or 1170 4 PHYS 2400 4 ATMT 1300 + 1310 + DRST 1160 4 COM 1001 (University Seminar Satisfied by excess credits) 4</p>	<p>MCS 2414 Calculus 3 4 MCS 2423 Differential Equations 3 COM 2103 Technical and Professional Communications 3 EGE 1012 Introduction to Engineering 2 CHM 1213 + 1221 University Chemistry 1 + Lab 4 EME 2012 Mechanical Engineering Graphics 2 SSC 2303 Basic Economics 3 EGE 2013 Statics 3 EGE 1023 + 2011 Engineering Materials + Lab 4 EME 3023 Manufacturing Processes 3</p>



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Remaining LTU Courses:

LTU Courses:

	<p><u>Remaining Courses for the BSME:</u></p> <p>Mechanical Engineering Core (47 credit hours) EME 1101, 1201 & 1301- ECal Courses.....3 EME 3001- Intro to Engineering Projects 1.....1 EME 3013- Mechanics of Materials.....3 EME 3033- Engineering Numerical Methods.....3 EME 3034- Kinematics/ Dynamics of Machines.....4 EME 3043- Dynamics.....3 EME 3024- Fluid Mechanics.....4 EME 4003- Design of Machine Elements.....3 EME 4013- Heat Transfer.....3 EME 4212- Engineering Projects 1.....2 EME 4222- Engineering Projects 2.....2 EME 4402- Mechanics Laboratory.....2 EME 4412- Thermal Science Laboratory.....2 EME 4/5XX3 Electives (4 courses of electives).....12</p> <p>Other Engineering Courses (10 cr. Hrs.) EEE 3153- Electric Machines & Control.....3 EGE 3003- Thermodynamics.....3 EEE 2123- Circuits & Electronics.....3 EEE 3161- Intro to EE Labs.....1</p> <p>Additional Arts & Science Course (9 cr. Hrs.) MCS 3403- Prob. & Stats.....3 MCS 3413- Advanced Engineering Math.....3 LLT/ PSY/ SSC Jr./Sr. Elective.....3</p>
<p>NOTE: See an MCC counselor for transfer information.</p>	<p>Maximum Credits at MCC:65 Minimum Credits at LTU:66 **Minimum Credits to Graduate 131**</p>