



**ARTICULATION GUIDE**  
**Lansing Community College- Mold Design & Build Technician**  
**LTU – Bachelor of Science in Engineering Technology**  
 Based on LCC 2007-2008 Catalog and LTU 2005-07 Catalog

**Lansing Community College Courses:**

**Transfer to LTU as:**

<b>Degree Requirements ( 65 credits)</b>	
MATH 115 Technical Math 2.....4	MCS 1123 Tech Math 2 ..... 3
METD 105 PC Applications for Technology .....3	Technical Specialty ..... 3
METD 110 Mechanical CAD Drafting 1 .....4	Technical Specialty ..... 4
METD 130 Geometric Dimensioning & Tolerancing.....3	Technical Specialty ..... 3
METD 220 Unigraphics Basic. ....4	Technical Specialty ..... 4
METD 230 CAM Data Preparation .....2	Technical Specialty ..... 2
METD 270 Beginning Mold Design .....4	Technical Specialty ..... 3
METM 100 Manufacturing Processes .....4	TIE 2063 Manufacturing Processes ..... 3
METM 110 Introduction to Precision Machining .....4	Technical Specialty ..... 4
METM 150 Advanced Precision Machining.....4	Technical Elective ..... 4
METM 190 Metallurgy and Heat Treatment .....4	General Elective ..... 4
METM 195 Metrology and Advanced Inspection .....2	Technical Elective ..... 2
METM 210 Advanced High Speed Precision Milling .....3	General Elective..... 3
METM 220 Basic Mastercam .....4	General Elective..... 4
METM 235 Electrode Extraction.....2	
METS 100 Maintenance Safety Practices .....2	
METS 115 Introduction to Mechanical Systems.....3	
MGMT 234 Diversity in the Workplace .....3	
SPCH 110 Oral Communication in the Workplace .....3	
WRIT 124 Technical Writing.....3	COM 2103 Tech. & Prof. Com ..... 3
This guide may not include all of the courses required for an LCC Associates Degree. Refer to the AAS Mold Design and Build Technician Curriculum Guide (1350) for complete degree requirements.	
<b>Additional Coursework (50 credits)</b>	
MATH 121 College Algebra..... 4	MCS 1113 Tech Math 1 ..... 3
MATH 122 College Algebra 2 & Trigonometry ..... 3	MCS 1123 Tech Math 2 ..... 3
MATH 141 Calculus w/ Applications* ..... 3	MCS 2313 Tech Calculus ..... 3
CHEM 125 Basic Chemistry..... 4	CHEM 3144 Fundamentals of Chemistry ..... 4
PHYS 221 Introductory Physics 1(if PHYS 200 not taken)..... 4	PHY 1063 + 1100 Tech Physics 1 + Lab ..... 3
PHYS 222 Introductory Physics 2 ..... 4	PHY 1083 + 1101 Tech Physics 2 + Lab ..... 4
WRIT 121 Composition 1 ..... 4	COM 1103 English Composition ..... 3
Select Two Humanities Courses** ..... 6	LLT 1213 + 1223 World Masterpieces 1 + 2 ..... 6
Select Two Social Science Courses** ..... 6	SSC 2413 + 2423 Foundations + Development/ Amer. Exp .. 6
ECON 201 or 202 Principles of Economics- Micro/Macro ..... 4	SSC 2303 Basic Economics ..... 3
MGMT 223 Developing Supervisory Skills ..... 3	MGT 2203 Management & Supervision ..... 3
ELTE 121 Electrical Mathematics ..... 5	TEE 3103 DC/AC Circuits ..... 3
* - Students are recommended to take the MATH 121 and 122 sequence, in order to easily transition into the MATH 141 course.	
**Please refer to MACRAO guidelines or transfer guide sheet to find transferable courses for Humanities and Social Science courses.	
***Students are recommended to take the PHYS 221 and 222 sequence to better prepare themselves for the BSET program.	
<b>NOTE: See an LCC counselor for transfer information</b>	



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**Transfer to LTU as:**

	<p><b><u>Completion of the BSET Degree at LTU</u></b></p> <p><b>Technology Core ..... (20 credits)</b>          HRM 4013 Employee Management Relations .....3          OPM 3113 Operations Management.....3          TIE 2163 Engineering Economics .....3          TIE 4115 Senior Project .....5          TME 4103 Engineering Materials 2 .....3          TME 2053 or TME 3113 .....3</p> <p><b>Remaining Arts &amp; Sciences Courses ..... (12 credits)</b>          MCS 1023 Tech Computer Applications ..... 3          MCS 2023 Statistical Methods .....3          MCS 2323 Applied Diff. Equations .....3          LLT/SSC/PSY Jr./Sr. Elective .....3</p> <p><b>COM 3000- Writing Proficiency Exam must be taken during first semester at LTU.</b></p> <p><b>COM 1001 University Seminar Excused</b></p>
	<p><b>Credits Transferred to LTU:.....93</b>  <b>Minimum Credits at LTU: ..... 32</b>          **Minimum Credits to Graduate:125**</p>