



ARTICULATION GUIDE

**Lansing Community College- Manufacturing Engineering Technology
 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:

Degree Requirements (58 credits)	
MATH 115 Technical Math 2.....4	MCS 1123 Tech Math 23
METD 105 PC Applications for Technology3	Technical Specialty4
METD 110 Mechanical CAD Drafting 14	Technical Specialty3
METD 130 Geometric Dimensioning & Tolerancing.....3	Technical Specialty4
METD 220 Unigraphics Basic4	Technical Specialty2
METD 230 CAM Data Preparation.....2	TIE 2063 Manufacturing Processes3
METM 100 Manufacturing Processes4	Technical Specialty4
METM 110 Introduction to Precision Machining4	Technical Specialty4
METM 190 Metallurgy and Heat Treatment4	Technical Elective2
METM 195 Metrology and Advanced Inspection2	Technical Specialty4
METM 220 Basic Mastercam4	Technical Elective3
METS 115 Introduction to Mechanical Systems.....3	General Elective.....3
MGMT 234 Diversity in the Workplace.....3	General Elective.....3
SPCH 110 Oral Communication in the Workplace3	COM 2103 Tech. & Prof. Com3
WRIT 124 Technical Writing.....3	Technical Elective1
METD 111 Mechanical CAD Drafting 2 (Subchoice Course) .4	General Elective.....3
METD 221 Unigraphics Advanced (Subchoice Course).....4	
This guide may not include all of the courses required for an LCC Associates Degree. Refer to the AAS Manufacturing Engineering Technology Curriculum Guide (1359) for complete degree requirements.	
Additional Coursework (50 credits)	
MATH 121 College Algebra.....4	MCS 1113 Tech Math 13
MATH 122 College Algebra 2 & Trigonometry3	MCS 1123 Tech Math 23
MATH 141 Calculus w/ Applications*3	MCS 2313 Tech Calculus3
CHEM 125 Basic Chemistry.....4	CHEM 3144 Fundamentals of Chemistry4
PHYS 221 Introductory Physics 1(if PHYS 200 not taken)....4	PHY 1063 + 1100 Tech Physics 1 + Lab3
PHYS 222 Introductory Physics 24	PHY 1083 + 1101 Tech Physics 2 + Lab4
WRIT 121 Composition 14	COM 1103 English Composition3
Select Two Humanities Courses**6	LLT 1213 + 1223 World Masterpieces 1 + 26
Select Two Social Science Courses**6	SSC 2413 + 2423 Foundations + Development/ Amer. Exp ..6
ECON 201 or 202 Principles of Economics- Micro/Macro4	SSC 2303 Basic Economics3
MGMT 223 Developing Supervisory Skills3	MGT 2203 Management & Supervision3
ELTE 121 Electrical Mathematics ^{5*} - Students are recommended to	TEE 3103 DC/AC Circuits3
**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.	
NOTE: See an LCC counselor for transfer information	

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Transfer to LTU as:

	<p><u>Completion of the BSET Degree at LTU</u></p> <p>Technology Core (20 credits) HRM 4013 Employee Management Relations3 OPM 3113 Operations Management.....3 TIE 2163 Engineering Economics.....3 TIE 4115 Senior Project5 TME 4103 Engineering Materials 23 TME 2053 or TME 3113.....3</p> <p>Remaining Arts & Sciences Courses (12 credits) MCS 1023 Tech Computer Applications3 MCS 2023 Statistical Methods3 MCS 2323 Applied Diff. Equations.....3 LLT/SSC/PSY Jr./Sr. Elective3</p> <p>COM 3000- Writing Proficiency Exam must be taken during first semester at LTU.</p> <p>COM 1001 University Seminar Excused</p>
	<p>Credits Transferred to LTU:.....93</p> <p>Minimum Credits at LTU: 32</p> <p>**Minimum Credits to Graduate:125**</p>